



*Global Relations*

**ANNUAL INTERNATIONAL  
ENGAGEMENT REPORT**

////// 2022-2023





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# FROM THE DIRECTOR



Dear Colleagues, Esteemed Partners, and Friends,

I am delighted to present the Global Relations Annual International Engagement Report for the 2022-2023 academic year, a testament to the dynamic activities within our unit and the broader global engagement efforts at the University of Illinois Urbana-Champaign. This report serves as a showcase of our university's unwavering commitment to fostering an environment where innovation transcends geopolitical, cultural, disciplinary, and academic boundaries.

In the past academic year, Global Relations achieved significant milestones, including:

- Managing 393 active institutional agreements in 56 countries.
- Facilitating 126 new/renewed agreements for 18 academic and administrative units.
- Extending a warm welcome to senior leaders and dignitaries visiting from 11 different countries.
- Actively pursuing heightened engagement in the Global South.
- Celebrating the successful launch of the Vision 2030 Global Strategy.

In addition to highlighting our achievements, this report aims to recognize and celebrate the impactful contributions of our academic colleges, research institutes, and administrative units that spearheaded international engagement initiatives across our campus.

We encourage you to delve into the comprehensive data and detailed summaries that offer insights into the university's diverse partnerships, campus visits, research collaborations, and more. While we strive to capture all engagements in this report, our tracking system is a work in progress, and we welcome any additional information or contributions you may have.

Sincerely,

*Sammer Jones*

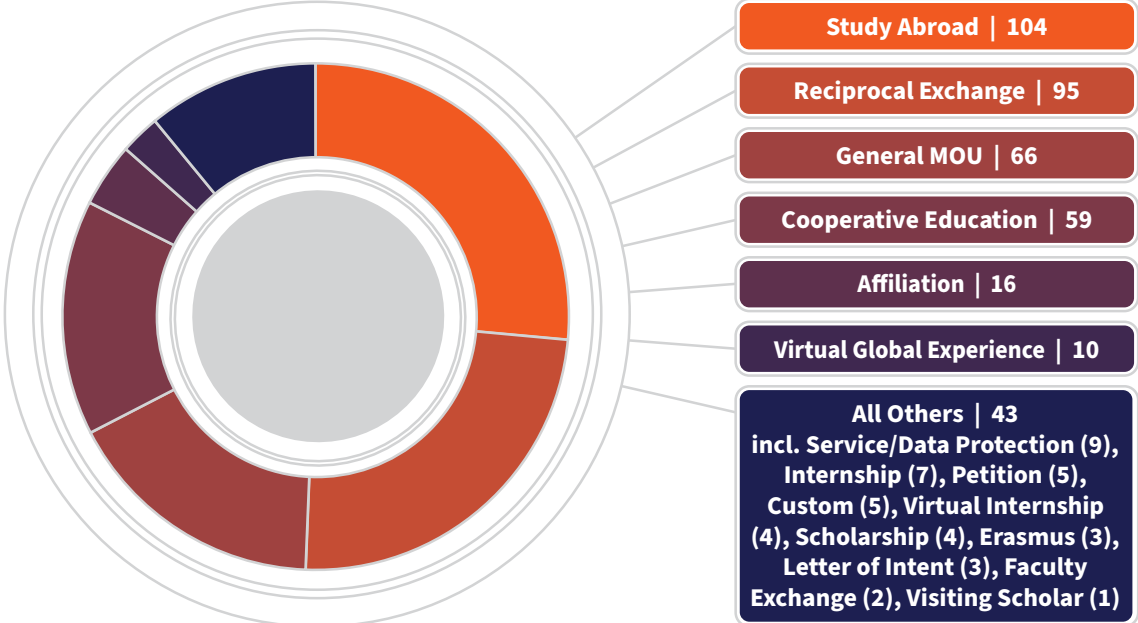
**Dr. Sammer Saleh Jones, Ph.D., M.B.A.**  
*Director for Global Relations*



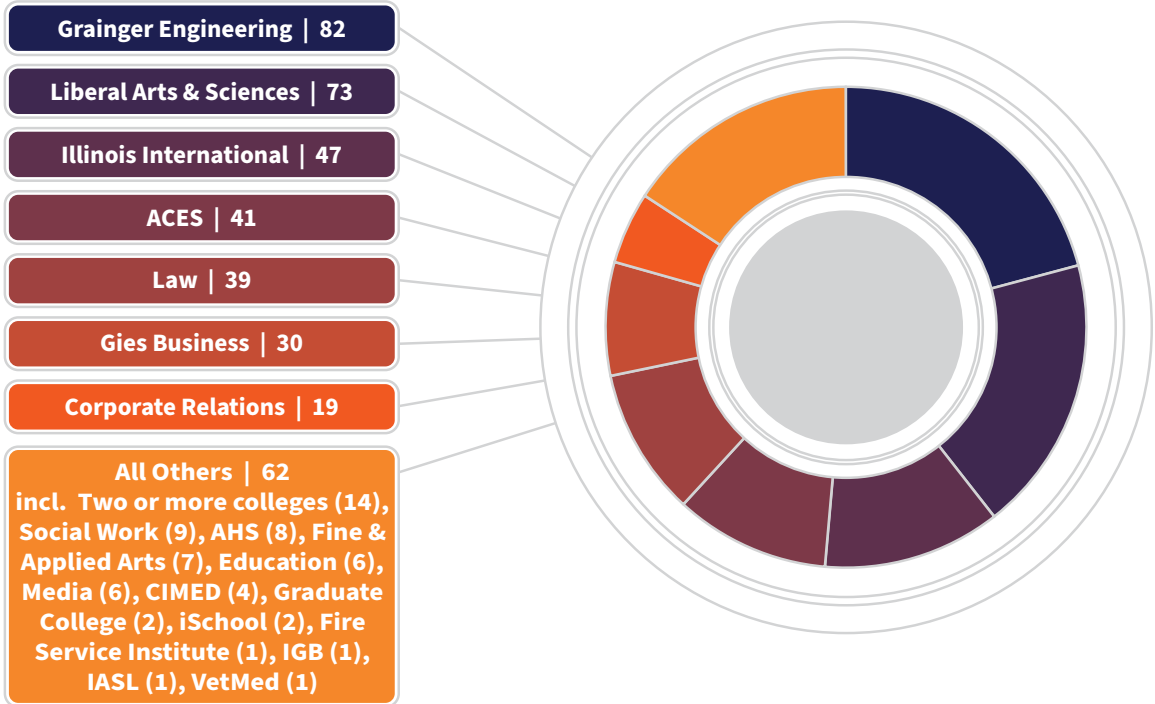
# ALL ACTIVE INSTITUTIONAL AGREEMENTS

The University of Illinois Urbana-Champaign maintains collaborative institutional agreements with other universities, government agencies, non-governmental organizations, and private corporations to support the unique goals of the university and facilitate the mobility of students, faculty, and staff as they make meaningful contributions to the world’s most pressing challenges. The university currently has 393 agreements in its international portfolio.

## ALL AGREEMENTS BY TYPE



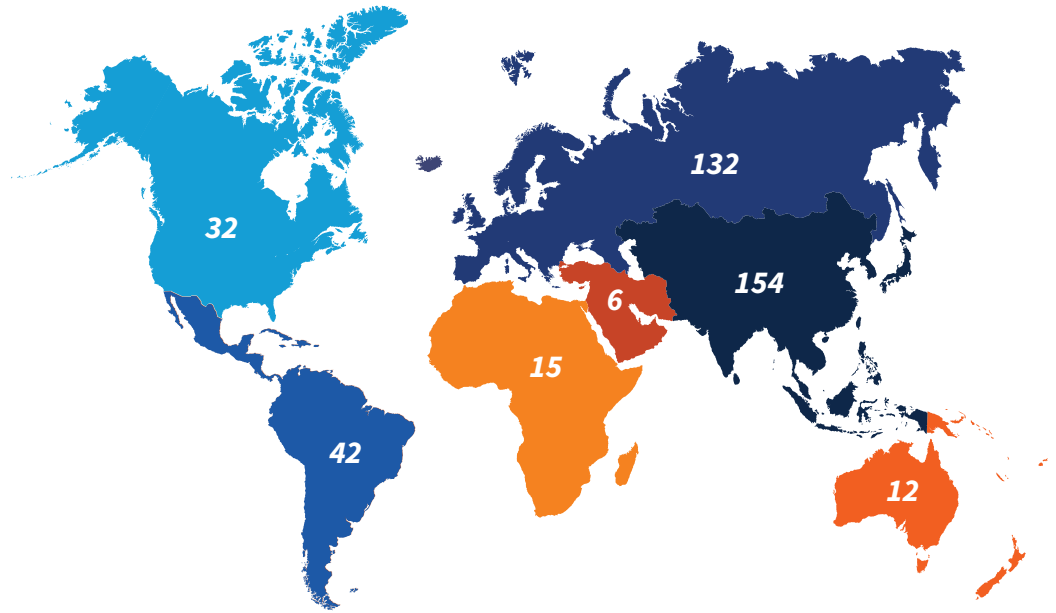
## ALL AGREEMENTS BY COLLEGES & INSTITUTES





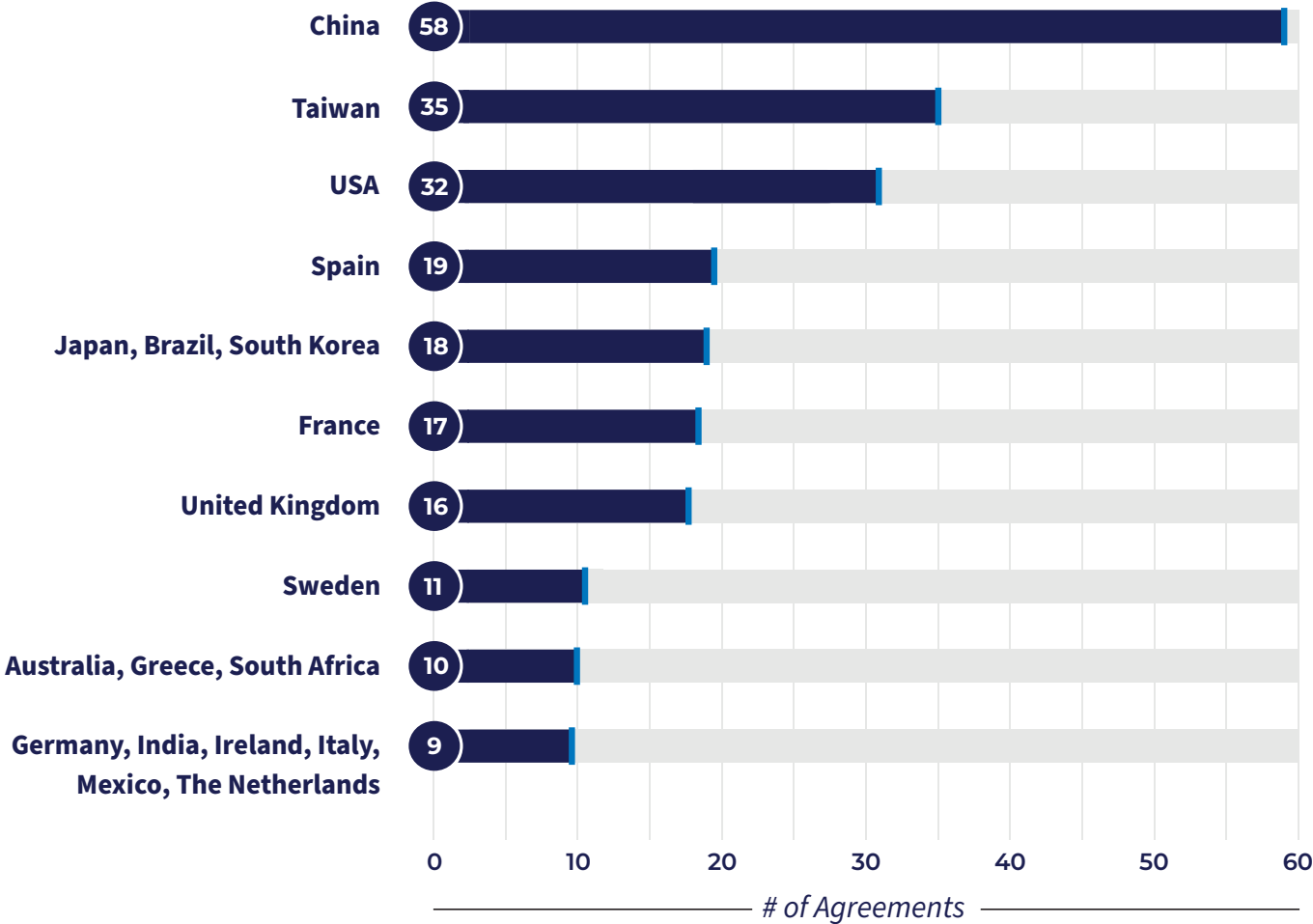
# ALL AGREEMENTS BY REGION

- Asia
- Europe
- Latin America & The Caribbean
- North America
- Africa
- Australia & Oceania
- Middle East



For more details, visit [go.illinois.edu/global-map](http://go.illinois.edu/global-map)

# COUNTRIES BY MOST # OF AGREEMENTS



## ALL AGREEMENTS BY COUNTRY

COUNTRY	NUMBER
China	58
Taiwan	35
USA*	32
Spain	19
Brazil	18
Japan	18
South Korea	18
France	17
United Kingdom	16
Sweden	11
Australia	10
Greece	10
South Africa	10
Germany	9
India	9
Ireland	9
Italy	9
Mexico	9
Colombia	5
Austria	4
Hong Kong	4
Argentina	3
Denmark	3
Ecuador	3
Switzerland	3
Belgium	2
Croatia	2

COUNTRY	NUMBER
Hungary	2
New Zealand	2
The Philippines	2
Vietnam	2
United Arab Emirates	2
Costa Rica	1
Finland	1
Indonesia	1
Israel	1
Jordan	1
Kenya	1
Lebanon	1
Luxembourg	1
Nigeria	1
Norway	1
Panama	1
Peru	1
Poland	1
Qatar	1
Russia	1
Sierra Leone	1
Tanzania	1
Thailand	1
Turkey	1
Uganda	1
Ukraine	1
Uruguay	1
<b>TOTAL COUNTRIES</b>	<b>56</b>

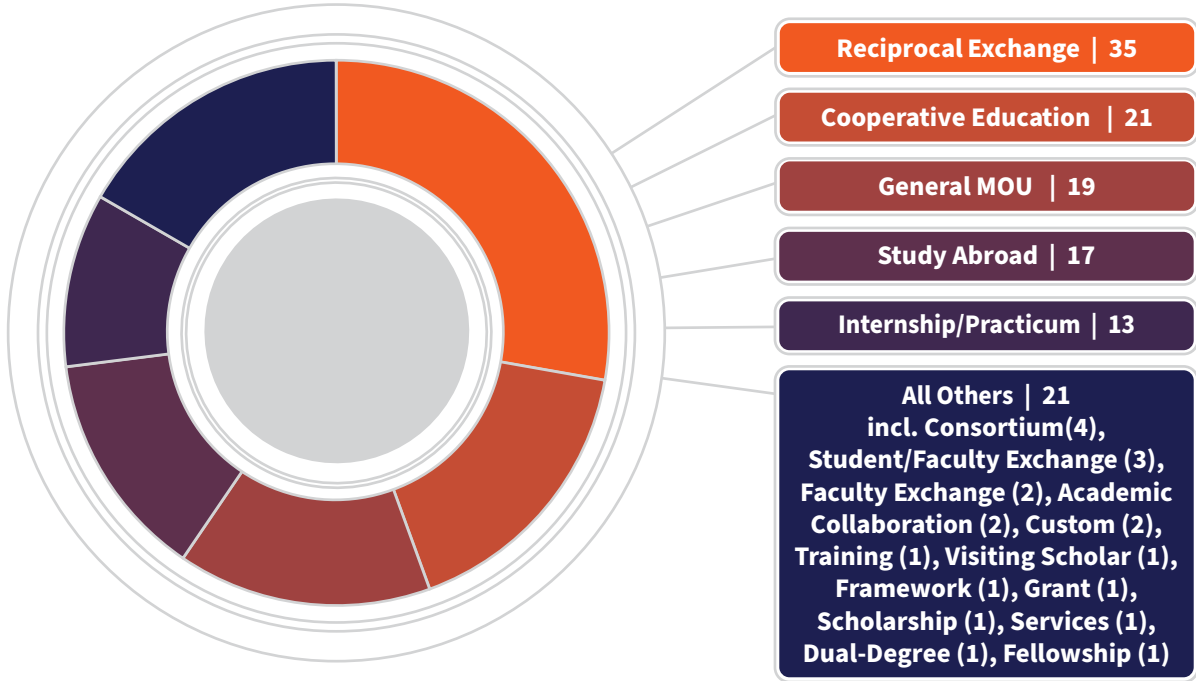
\* Majority are third party study abroad providers based in the USA.



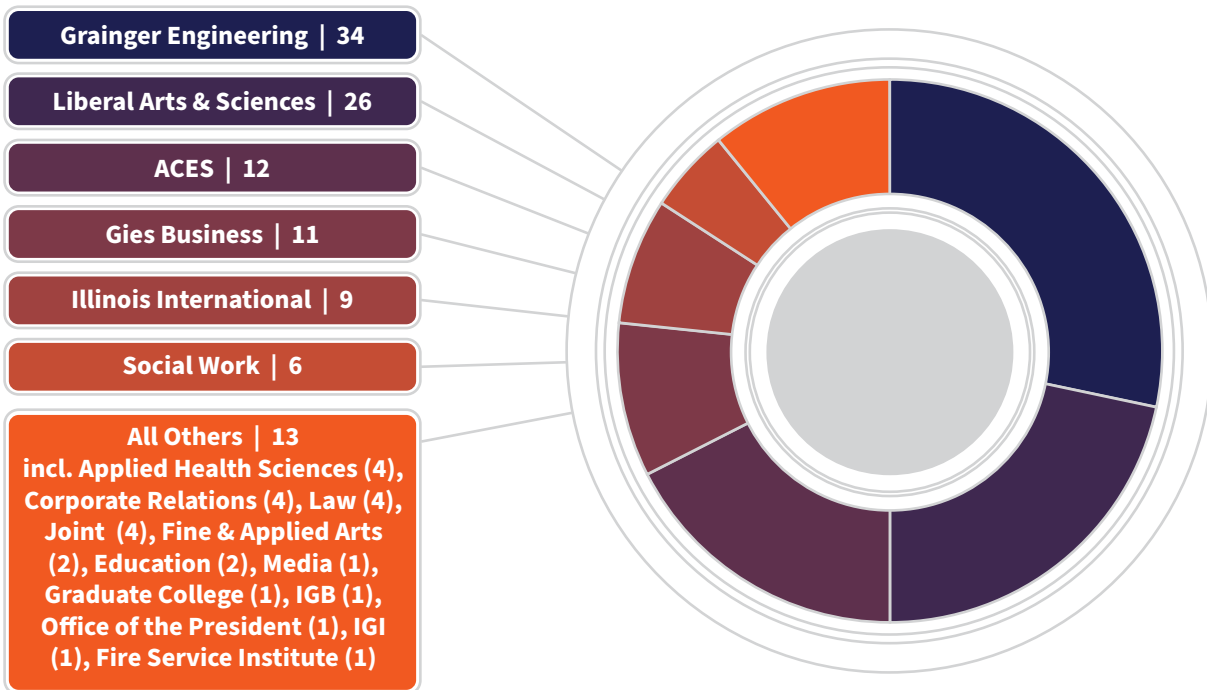
# NEW & RENEWED AGREEMENTS

During the 2022-2023 academic year, 126 agreements were renewed, amended, or initiated by Global Relations for 18 different colleges and units on campus.

## NEW/RENEWED AGREEMENTS BY TYPE



## NEW/RENEWED AGREEMENTS BY COLLEGES & INSTITUTES



# ENHANCING RELATIONSHIPS IN THE GLOBAL SOUTH

In partnership with the Offices of the Chancellor, Vice Chancellor for Research and Innovation, and many others across campus, Global Relations has engaged in several exploratory visits to emerging partners in the Global South. These visits align with the university's *Vision 2030 Global Strategy* commitment to prioritizing equitable, inclusive, and sustainable engagement in the Global South.

## UNIVERSITY-WIDE ENGAGEMENTS

- The university renewed the Memorandum of Understanding with the University of Pretoria (UP) in March 2023, consolidating the relationship between the two institutions.
- Chancellor Robert Jones visited the University of Johannesburg (UJ) and the UP in May 2023 to explore opportunities for strategic and mutually beneficial collaborative initiatives with our partner institutions and other organizations.
- African BioGenome Project is a coordinated pan-African effort to build capacity (and infrastructure) to generate, analyze and deploy genomics data for the improvement and sustainable use of biodiversity and agriculture across Africa. The Carl R. Woese Institute for Genomic Biology is among the institutional partners contributing to the project with the support of Vision 2030 funding.
- *Transnational Responses to the Covid-19 Pandemic*, an inter-university, graduate-level course was jointly developed between the University of Pretoria (South Africa), Federal University of Pelotas (Brazil), and the University of Illinois Urbana-Champaign.





## ALL AGREEMENTS IN THE GLOBAL SOUTH BY COUNTRY

COUNTRY	#	AGREEMENT TYPE(S)
China	61	Cooperative Education (37), MOU (8), Student Exchange (6), Study Abroad (5), Affiliation (2), Service (2), Scholarship (1)
Taiwan	38	Cooperative Education (11), Student Exchange (7), Study Abroad (5), MOU (5), Affiliation (3), Custom (3), Scholarship (2), Internship/Practicum (1), Faculty Exchange (1)
Brazil	17	MOU (6), Study Abroad (4), Virtual Global Experience (2), Affiliation (1), Faculty Exchange (1), Internship (1), Letter of Intent (1), Student Exchange (1)
South Africa	10	Internship/Practicum (5), MOU (3), Study Abroad (2)
India	9	Study Abroad (3), Student Exchange (3), MOU (2), Virtual Global Experience (1)
Mexico	7	Study Abroad (3), Cooperative Education (2), MOU (1), Affiliation (1)
Colombia	7	MOU (4), Letter of Intent (1), Scholarship (1), Student Exchange (1)
Hong Kong	4	Student Exchange (2), Study Abroad (1), MOU (1)
Argentina	3	Student Exchange (2), Study Abroad (1)
Ecuador	3	Student Exchange (2), Virtual Global Experience (1)
Singapore	3	Student Exchange (2), Internship/Practicum (1)
Vietnam	2	Cooperative Education (1), Letter of Intent (1)
UAE	2	Cooperative Education (2)
Costa Rica	1	Study Abroad (1)
Indonesia	1	MOU (1)
Jordan	1	Study Abroad (1)
Kenya	1	MOU (1)
Lebanon	1	MOU (1)
Nigeria	1	MOU (1)
Panama	1	Affiliation (1)
Peru	1	Student Exchange (1)
Philippines	1	MOU (1)
Qatar	1	Petition (1)
Sierra Leone	1	MOU (1)
Sri Lanka	1	MOU (1)
Tanzania	1	MOU (1)
Thailand	1	Internship/Practicum (1)
Uganda	1	Internship/Practicum (1)
Uruguay	1	Cooperative Education (1)

**29 COUNTRIES 183 TOTAL AGREEMENTS**

## 2022-2023 SHORT-TERM STUDY ABROAD TO THE GLOBAL SOUTH

COUNTRY	TOTAL # STUDENTS	PROGRAMS (# OF STUDENTS)
Brazil	120	BUS 116: Gies Scholars in Sao Paulo and Rio de Janeiro, Brazil (40), Gies Online Programs - Brazil (40), ANSC 398: A Professional and Cultural Immersion in Animal and Veterinary Sciences in Brazil (20), AE 398: Brazil ENGR Experience (15), LAS Global Leaders Study Abroad - Brazil (5)
South Africa	88	T&M South Africa (33), HDFS 379: Service Learning, Child, Family, Health and Agriculture in South Africa (23), BUS 199: Entrepreneurship in Cape Town South Africa (19), AE 298: South Africa (13)
Panama	41	ACES 298: Discovering Agricultural & Environmental Systems in Panama (14), ENG 498: Global Leaders in Construction Management in Panama (14), IB 496: Tropical Forest Ecology in Panama (13)
Costa Rica	38	ESE 389: Environment & Sustainability Field Expedition (18), Protecting Tropical Treasures: Environmental Policy in Costa Rica (16), CHEM 492: Natural Products in Costa Rica (4)
Ecuador	26	ACES 298: Service-Learning and Sustainability in Ecuador (12), FSHN 398: The Chocolate Food System in Ecuador (12), EDUC 499: Summer Teaching Internship in Ecuador/Galapagos Islands (2)
Mexico	16	NRES 285: Ecology, Culture, & Environmental Sustainability in the Yucatan Peninsula
Trinidad and Tobago	13	ENG 177: GFX Global Sustainability Scholars
Morocco	13	EDUC 499: Summer Teaching Internship in Morocco
Kenya	12	LAS Global Leaders Study Abroad - Kenya (7), GLBL 298: Culture, History, and Development in Kenya (5)
Belize	12	IB 496: Natural History of Coral Reefs in Belize
Bahamas	10	NRES 285: Coral Reef Field Course in the Bahamas
Sierra Leone	9	ACES/LAS: International Development Immersion in Sierra Leone
Tanzania	9	ACES: Wildlife Conservation Management in Tanzania
Dominican Republic	9	ARCH: Latin America and the Caribbeann Studio
Jamaica	9	ENG 177: Global Sustainable Community Development
Guatemala	7	ENG 177: Global Sustainability & Design in Guatemala
Bolivia	7	ENG 177: Global Service Learning in Bolivia
Namibia	2	Independent Study in Namibia
<b>18 COUNTRIES</b>	<b>441 TOTAL STUDENTS</b>	



# CAMPUS VISITS HOSTED BY GLOBAL RELATIONS

Global Relations works with colleges and departments to coordinate on-campus visits for international guests, prospective and current international partners, visiting scholars, and consular offices as well as providing support for outgoing visiting delegations. These numbers do not include visits hosted by the colleges/institutes. See college/institutes section for more information.



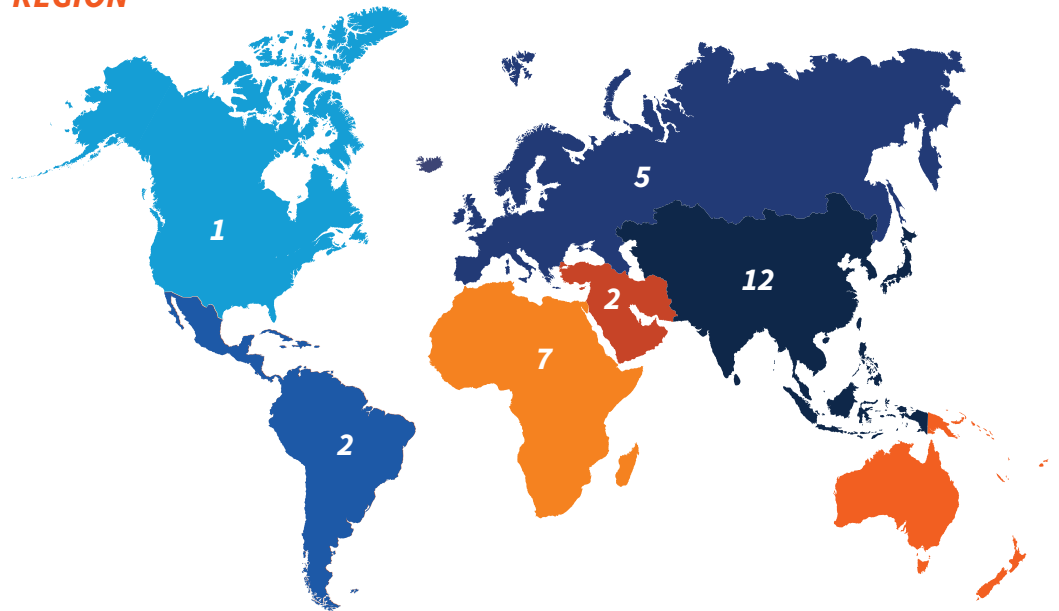
**28**  
Total  
Delegations



**11**  
Countries  
Represented

## ALL DELEGATIONS BY REGION

- Asia
- Europe
- Latin America & The Caribbean
- North America
- Africa
- Australia & Oceania
- Middle East

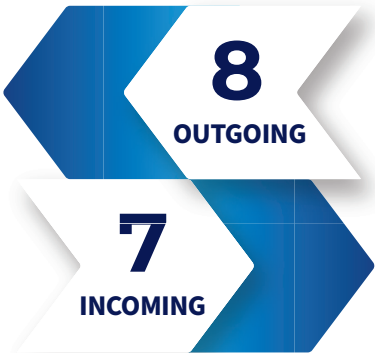


University of Birmingham visited UIUC to renew the BRIDGE strategic partnership for another five years (May 2023).

# FULBRIGHT PROGRAM

The Fulbright Program is the flagship international educational exchange program sponsored by the United States government and is designed to “increase mutual understanding between the people of the United States and the people of other countries.” Global Relations works with faculty pursuing Fulbright opportunities while students are served by the National & International Scholarship Program.

## FULBRIGHT SCHOLARS



## FULBRIGHT STUDENTS



*\* Number of Fulbright students hosted by Global Education and Training only.*

## DESTINATIONS OF ALL OUTGOING FULBRIGHTERS\*



*\* Two recipients had not accepted/reported their destination at the time of data collection.*

## MEET THE 2022-2023 FULBRIGHT U.S. SCHOLAR AWARDEES

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The University of Illinois Urbana-Champaign was among 18 institutions recognized as a top producer for both students and scholars in 2022-2023. With eight faculty members and 16 students named, this was the second year in a row that the university was named a top producer of United States Scholars and the fifth year as a top producer of United States Students.



**Francina Dominguez**  
Meteorology

U.S. Scholar Award  
France



**Alexandra Harmon-Threatt**  
Entomology

U.S. Scholar Award  
Czech Republic



**Max Rosochinsky**  
Area Studies

U.S. Scholar Award  
Poland



**Sandy Dall'erba**  
Agriculture

U.S. Scholar Award  
Spain, France



**Paul Kapp**  
Architecture

U.S. Scholar Award  
France



**Sammer Jones**  
Education

U.S. Scholar Award  
Germany



**Rachel Harris**  
Comparative &  
World Literature

U.S. Scholar Award  
Israel

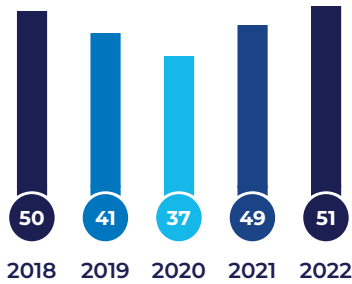


**Chi-Fang Wu**  
Public Policy

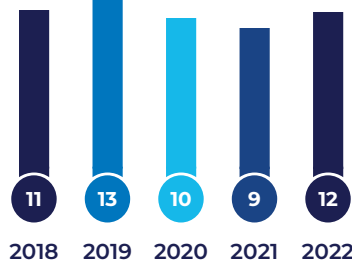
U.S. Scholar Award  
Taiwan

# 2018-2022 UIUC FULBRIGHT ENGAGEMENT SNAPSHOT

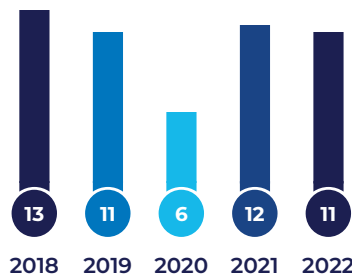
## Foreign Student Program



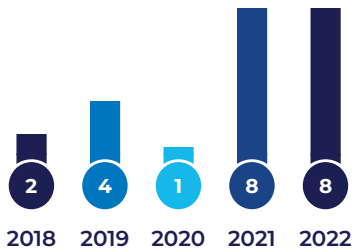
## U.S. Student Program



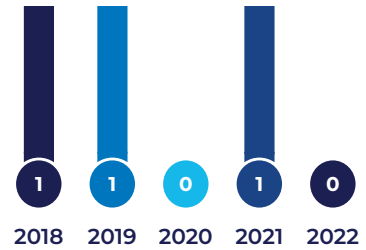
## Visiting Scholar Program



## U.S. Scholar Program



## Foreign Language Teaching Assistantship



Other Fulbright Engagements	Participants
Enrichment Programs	0
Fulbright Outreach Lecturing Fund	3
Fulbright Scholar-in-Residence	0
Pre-Academic Programs	4

Campus Representatives	Unit	Role
Dr. Sammer Saleh Jones	Global Relations	Scholar Liaison
David Schug	National & International Scholarship Program	Fulbright Program Advisor





# Global Engagement Highlights

*Colleges & Institutes*





Audiology & Speech-Language Pathology Clinic

## COLLEGE OF APPLIED HEALTH SCIENCES



### Courses & Trainings

- Kevin Richards (2023, Fulbright Specialist, University of Canberra, **Australia**) developed and implemented a professional development program for in-service physical education teachers focused on teaching personal and social responsibility.
- Pedro Hallal was chosen by the Graduate College as the Country Coordinator for a three-university graduate course on national responses to the COVID-19 pandemic. The course will occur in Spring 2024 and will include 20 students from each participating university: University of Illinois Urbana-Champaign, University of Pretoria (**South Africa**), and the Federal University of Pelotas (**Brazil**).

### Events & Lectures

- Aguiñaga, S. Actividad física y cognición a través del baile. Presented at the Colegio de Nutriólogos de León, Guanajuato, México, May 2022 and at the 20th Reunión Mundial RAFA PANA. December, 2022 (both online).
- Azevedo, R. F. L., Harris, M. T., Nie, Q., Al-Saleh, S. A., Smith, C., Maguire, R. & Rogers, W. A. (2022, October). Developing and selecting images to facilitate comprehension of hypertension educational materials for older adults. 13th World Conference of Gerontechnology, Daegu, **South Korea**. (Hybrid virtual conference).
- Azevedo, R. F. L., Nicholas, J. S., Insel, K. C., Rogers, W. A., & Lee, J. K. (2022, September). MEDSRem©: A technology innovation to improve hypertension medication adherence for older adults – learning the needs of Latino communities in the Americas. 2022 International Conference on Aging in the Americas, Chicago, IL.
- Boot, W., Czaja, S. J., Charness, N., & Rogers, W. A. (2022, October). Enhancing neurocognitive health, abilities, networks, & community engagement. 13th World Conference of Gerontechnology, Daegu, **South Korea**. (Hybrid virtual conference).
- Czaja, S. J., Boot, W., Charness, N., Rogers, W. A., & Sharit, J. (2022, October). CREATE: Center for Research and Education on Aging and Technology Enhancement. 13th World Conference of Gerontechnology, Daegu, **South Korea**. (Hybrid virtual conference).

- Gray, A., Espinoza, C., Simonton, K. L., Mercier, K., Richards, K. A., & Gaudreault, K. L. (2023, July). Do relationships and differences exist between physical educators' goal orientations and emotional experiences in the profession? (International Association of Physical Education in Higher Education Conference, Santiago, **Chile**.)
- Hadley, P. (2023, July). Assessing and facilitating sentence diversity in early language intervention. Invited virtual talk as part of the Hanen Expert Series, Hanen Centre, Toronto, Ontario, **Canada**.
- Hasegawa-Johnson, M. & Mendes, C. (2023). Living Well Starts Here: Young Onset Parkinson Disease Network. Podcast. Invited guests. (The hosts are from US and **Canada**).
- Jones, E. M., Richards, K. A., Lawson, H. A., Macdonald, D., & McCuaig, L. (2023, July). International stage setting and call to action for a global workforce research and development agenda. (International Association of Physical Education in Higher Education Conference, Santiago, **Chile**.)
- Lara-Cinisomo, S. (June 2022). Investigar con grupos focales (Conducting research using focus groups). Doctoral student programs. Universidad de Zaragoza, Zaragoza, **España**.
- Lara-Cinisomo, S. (October 2022). Factores contextuales de la depresión perinatal entre las latinas en los EE.UU.: inmigración, salud física y exposición al trauma (Contextual Factors of Perinatal Depression Among Latinas in the United States: Immigration, Physical Health, and Trauma Exposure). Universidad del Desarrollo, Santiago, **Chile**.
- Lee, J., K., Insel, K. C., Nicholas, J., S., Azevedo, R. F. L., & Rogers, W. A. (2022, October). A technology innovation to improve hypertension medication adherence for older adults. 13th World Conference of Gerontechnology, Daeghu, **South Korea**. (Hybrid virtual conference).
- Mendes, C. Dawkins, P., Kwok, K. & Hasegawa-Johnson, M. (2023). Include People With Disabilities, Microsoft Ability Summit (virtual conference; invited keynote).
- Mois, G. Shende, S, Mudar, R. A., Myers, D., & Rogers, W. A. (2022, October). Supporting home- and community-based organization activities through a customized videoconferencing platform. 13th World Conference of Gerontechnology, Daeghu, **South Korea**. (Hybrid virtual conference).
- Mois, G., Vergara, L. G. L., Afsar Ali, A. F., Rakshe, V., Mahajan, H., & Rogers, W. A. (2022, October). Understanding the application of socially assistive robots in the home to support healthy aging. 13th World Conference of Gerontechnology, Daeghu, **South Korea**. (Hybrid virtual conference).
- Monson BB (2022) Horizontal directivity patterns for the singing voice. The Acoustics of Ancient Theatres Symposium, Verona, **Italy**.
- Monson BB (2022) Speech spectral changes at extended high frequencies associated with increased vocal effort. 24th International Congress on Acoustics, Gyeongju, **South Korea**.
- Olatunji, S. A., & Rogers, W. A. (2022, October). Development of a design framework to support pleasurable robot interactions for older adults. 13th World Conference of Gerontechnology, Daeghu, **South Korea**. (Hybrid virtual conference).
- Rogers, W. A., & Stanfield, A. (2022, October). CHART: Collaborations in Health, Aging, Research, and Technology. 13th World Conference of Gerontechnology, Daeghu, **South Korea**. (Hybrid virtual conference).
- Richards, K. A. (2023, February). Teaching personal and social responsibility and teacher socialization and physical education. (Presented at Seoul National University, **South Korea**.)

## Events & Lectures Continued

- Richards, K. A., \*Trad, A. M., \*Simms, J., Wealty-Peachey, J., & Woolf, J. (2023, July). Social and emotional learning of multi-semester volunteers in a co-curricular, physical activity-based service-learning program. (International Association of Physical Education in Higher Education Conference, Santiago, **Chile**.)
- Rogers, Wendy A. Member, International Scientific Advisory Board McMaster Institute on Research and Aging (MIRA). (2022-present) International Conference Presentations by members of the Human Factors & Aging Laboratory: Rogers, W. A. (September 2022).
- Sanford, J. A., Rogers, W. A., & Mitzner, T. L. (2022, October). TechSAge: Rehabilitation engineering research center technologies to support aging-in-place for people with longterm disabilities. 13th World Conference of Gerontechnology, Daeghu, **South Korea**. (Hybrid virtual conference). David Strauser I am actively involved with faculty at the following institutions in **Taiwan**: National Taiwan University National Taiwan Normal University National Changhua University of Education National Kaohsiung Normal University.
- Steuer, A., Ciesla, C., Schechter, L. & Mendes, C. (2022, September) The Need for a Comprehensive Interprofessional Postsurgical Rehabilitation Pathway: Initial Recommendations and Future Visions. Oral session presented at the 2022 World Professional Association for Transgender Health's Scientific Symposium, Montreal, **Canada**.

## Research Collaborations

- Kristen DiFilippo collaborated with the Bahiana School of Medicine and Public Health in **Brazil** to study the role of nutrition apps in reducing the risk of diabetes and hypertension in a population with low socioeconomic status in **Brazil**. This research is supported by Lemann Fellowship recipient Rafael Guimaeres, a Ph.D. student.
- Pedro Hallal continues to co-chair the Global Observatory for Physical Activity (GoPA), a project that monitors physical activity surveillance, research and policy worldwide. In the last round of the country cards launched by GoPA!, 164 countries were included. Additionally, Hallal is the PI of the 2015 Pelotas (**Brazil**) Birth Cohort Study. There is an active MoU between the University of Illinois and the Federal University of Pelotas, which runs the cohort studies.
- In the Department of Speech and Hearing Science, research underway includes:
  - » Developing models for speech intelligibility prediction by Dan Fogerty.
  - » Enhancement of bone conducted speech by Dan Fogerty.
  - » Challenges for Children with Cochlear Implants in Everyday Listening Scenarios by Pasquale Bottalico in collaboration with Politecnico di Torino and University of Torino (**Italy**).
  - » Voice quality among cochlear implant users by Pasquale Bottalico in collaboration with Politecnico di Torino and University of Torino (**Italy**).
  - » Prediction models of open space occupancy using acoustics measurements by Pasquale Bottalico in collaboration with Universita' di Bologna (**Italy**).
  - » Vibrato in operatic and early music voice style by Pasquale Bottalico in collaboration with Universita' di Pisa (**Italy**).
  - » Bone conduction feedback in speech production by Pasquale Bottalico in collaboration with Åbo Akademi (**Finland**) and ForBrain (**France**).



- » Speech production in virtual reality by in collaboration with Sorbonne Université (**France**).
- Kevin Richards collaborated with a research team in **South Korea** including Jones, E., Marttinen, R., Richards, K. A., Killian, C., & Howley, D. (2023, July).
- Sean Mullen collaborated extensively with Dr. Liye Zou, the Director of the Body-Brain-Mind Laboratory within the School of Psychology at Shenzhen University in **China**. Their joint paper, “24-hour Movement Behavior Guidelines are Linked to Academic Engagement, Psychological Functioning, and Cognitive Difficulties in Children and Adolescents with Internalizing Problems” is in review at the Journal of Affective Disorders.
- Yih-Kuen Jan collaborated with faculty in **Egypt** to investigate the benefits of biofeedback corrective exercise on reducing cervical pain and published two journal articles.
- Researchers in the Department of Recreation, Sport and Tourism attended several events for data collection purposes including:
  - » Data collection at the CARIFTA Triathlon and Aquathon championships in Hamilton, **Bermuda**.
  - » Data collection at the CARIFTA Track and Field Championships in Nassau, **Bahamas**.
  - » Data collection at the Barbados Olympic Center and Caribbean Regional Anti-Doping Organization in Bridgetown, **Barbados**.
  - » Two research presentations at the North American Society for Sport Management annual conference in Montreal, **Canada**.
  - » Data collection at Anti-Doping Brazil Authority - ABCD (Autoridade Brasileira de Controle de Dopagem) in Brasilia, **Brazil**.
  - » Data collection at the Commonwealth Youth Games in Port of Spain, **Trinidad and Tobago**.

## Student & Scholar Mobility

- Kristen DiFilippo and Beth Frasca took a group to **Greece** in summer 2023 for a faculty led study abroad program in collaboration with Perrotis College.
- Pedro Hallal was awarded a \$3,000 grant from the Center for African Studies to visit the **African continent** with the goal of planning a faculty led study abroad program.
- Yih-Kuen Jan and Aline Lamas led the International Graduates Mentoring Program (a study abroad program) between the Department of Kinesiology and Community Health and three universities in **China** (Beijing Normal University, Shanghai University of Sport, and Shenyang Sports University).
- The College of AHS initiated a new student exchange with Karolinska Institute in **Sweden**.

## Partnerships & Visits

- Pedro Hallal joined President Tim Killeen's delegation that visited Brazil in August 2023. Existing agreements with institutions in **Brazil** (PUC-RIO, FAPESP, CAPES, INSPER) will be renewed and new agreements are being planned. Hallal was also visited by Dr. Melody Ding from the University of Sydney in **Australia**. Dr. Ding and Hallal are members of the Lancet Physical Activity Steering Committee and are working on three papers that will be included in the 2024 Lancet Physical Activity Series.
- Laura Rice visited Inha University in **South Korea** to give a lecture and build on an existing collaboration with Inha faculty member Dr. JongHun Sung.

## Partnerships & Visits Continued

- Yih-Kuen Jan hosted six visitors from **Taiwan** (National Cheng Kung University, National Central University and Yuan Ze University) and two visitors from **China** (Beijing Normal University and Tsinghua University) to develop collaborations on rehabilitation research and published six journal articles. Jan also visited Beijing Normal University in **China** to give a presentation on kinesiology research as well as Beihang University for a presentation on rehabilitation biomechanics education.
- The Department of Speech and Hearing Science welcomed several visitors including scholars Pasquale Bottalico and Fatima Husain, Dario D’Orazio (Assistant Professor, Department of Industrial Engineering from the University of Bologna, **Italy**), Daniela Udd (Master Student in Speech Pathology, De Logopedi, Åbo Akademi, **Finland**), and Woojae Han (Associate Professor, Speech Pathology and Audiology, Hallym University, **South Korea**).
- The Department of Recreation, Sport and Tourism hosted Dr. Maria Kavussanu and Dr. Ian Boardley from the University of Birmingham, **England**, who gave research presentations during their visit.

## Publications

- Capobianco, S., Nacci, A., Calcinoni, O., Bruschini, L., Berrettini, S., & Bottalico, P. (2023). Assessing Acoustic Parameters in Early Music and Romantic Operatic Singing. *Journal of Voice*.
- Edraki, A., Chan, W.-Y., Fogerty, D., & Jensen, J. (2023). Modeling the effect of linguistic predictability on speech intelligibility prediction. *JASA Express Letters*, 3, 035207, 1-7.
- Edraki, A., Chan, W.-Y., Jensen, J. & Fogerty, D. (2022). Spectro-temporal modulation glimpsing for speech intelligibility prediction. *Hearing Research*, 426, 108620.
- Juma, B. O., Woolf, J., & Bloodworth, A. (2022). The Challenges of Anti-Doping Education Implementation in **Kenya**: Perspectives from Athletes and Anti-Doping Educators. *Performance Enhancement and Health*, 10(3), 100228.
- Lee, O., Richards, K. A. R., Hong, Y., & Kim, Y. (2023). Socializing influences in the careers of **South Korean** female physical educators. *Journal of Teaching in Physical Education*. 2022-0299.
- Nudelman, C. J., D’Orazio, D., & Bottalico, P. (2023). Reducing Noise in Restaurants: Feasibility and Recommendations. *The Hearing Journal*, 76(02), 6-7.
- Nudelman, C., Udd, D., Ahlander, V. L., & Bottalico, P. (2023). Reducing Vocal Fatigue with Bone Conduction Devices: Comparing Forbrain® and Sidetone Amplification. *Journal of Speech, Language, and Hearing Research*.
- Puglisi, G. E., Di Iulio, M., Bottalico, P., Murgia, S., Consolino, P., Bisetti, M. S., ... & Astolfi, A. (2023). Challenges for Children with Cochlear Implants in Everyday Listening Scenarios: The Competitive Effect of Noise and Face Masks on Speech Intelligibility. *Applied Sciences*, 13(15), 8715.
- Redman, Y., Glasner, J., D’Orazio, D., & Bottalico, P. (2023). Singing in different performance spaces: The effect of room acoustics on singers’ perception. *Journal of the Acoustical Society of America*.
- Ruwuya, J., Juma, B. O., & Woolf, J. (2022). Challenges associated with implementing anti-doping policy and programs in **Africa**. *Frontiers in Sports and Active Living-Sports Management, Marketing, and Economics*, 4, 966559.



Inspecting the Student Sustainable Farm

## COLLEGE OF ACES



### Courses & Trainings

- Global Classroom ABE 232: Context in International Interventions
  - » Instructor: Ann-Perry Witmer, Senior Research Scientist
  - » Partner: Tommy Pozo Vila, Universidad Privada Boliviana, **Bolivia**
- Global Classroom ANSC 499: Bovine Assisted Reproductive Technologies
  - » Instructors: Crystal C. Allen, Visiting Research Specialist in Agriculture and Lecturer, and Matthew B. Wheeler, Professor, Department of Animal Sciences
  - » Partner: Isaac P. Kashoma, Sokoine University of Agriculture, **Tanzania**
- Global Classroom HDFS 398: Child Health in **South Africa**
  - » Instructor: Jan Brooks, Senior Instructor, Department of Human Development & Family Studies
  - » Partner: Jawaya Shea, University of the Western Cape, **South Africa**
- Global Classroom ABE 498: Special Topics (Section JAG)
  - » Instructor: Jorge Alberto Guzman Jaimes, Research Assistant Professor, Department of Agricultural and Biological Engineering
  - » Partner: Navneet Kumar, University of Bonn, **Germany**, and Carlos Rogerio de Mello, Federal University of Lavras, **Brazil**
- Dr. Juan Arbelaez, Assistant Professor of Crop Sciences, is developing a new faculty-led study abroad program in Cali, **Colombia**. The program will visit “Future Seeds” and conduct academic, research, and hands-on activities to inspire students interested in international agriculture, conservation of natural genetic resources, sustainability, food security, and crop improvement.
- Meredith Blumthal, Director of Food & Agribusiness Program, is developing a new Global Classroom and faculty-led study abroad program in **Brazil**. The program will allow students to explore global food and agricultural supply chains and the challenges and opportunities that exist in operating in a global market. This course will also focus on cross-cultural management issues within these supply chains. This is a Global Classroom, which means students will also be working on a virtual industry-based project in teams with students from Brazil.



- The Agricultural Communications Department initiated a Visiting Global Agricultural Journalist program to host members of the International Federation of Agricultural Journalists on campus. The first Global Agricultural Journalist in Residence is set to visit campus in Fall 2023.
- International Agricultural Communications (AGCM 375) was developed by Professor Owen Roberts and features agricultural journalists from a different country as guest speakers. Similarly, Public Information Campaigns (AGCM 420) was redesigned to incorporate a global campaign case-study.
- ACES takes the mission of preparing globally competent citizens seriously, and global themes and case studies are inherent in all teaching and research. Undergraduate courses are particularly known for incorporating global perspectives into the curriculum. These include:
  - » ABE 152 - Water in the Global Environment
  - » ABE 232 - Context in International Interventions
  - » ACE 251 - The World Food Economy
  - » ACE 255 - The Economics of Food and Environmental Justice
  - » ACE 306 - Food Law
  - » ACE 411 - Environment and Development
  - » ACE 431 - Agri-food Strategic Management
  - » ACE 435 - Global Agribusiness Management
  - » ACE 436 - International Business Immersion Program
  - » ACE 451 - Agriculture in International Development
  - » ACES 293 - International Internship
  - » ACES 298 - International Experience
  - » ACES 299 - ACES Study Abroad
  - » AGCM 375 - International Agricultural Communications
  - » ANSC 205 - World Animal Resources
  - » ETMA 311- Humanity in the Food Web
  - » HDFS 220 - Families in Global Perspective
  - » HDFS 335 - Food, Identity, & Family Life
  - » NRES 101 - Wildlife Conservation in the 21st Century
  - » NRES 439 - Environment and Sustainable Development
  - » FSHN 428 - Community Nutrition
  - » CPSC 113 - Environment, Agriculture, and Society
  - » CPSC 116 - The Global Food Production Web
  - » CPSC 117 - Agriculture and Science of Coffee
  - » CPSC 180 - Medicinal Plants and Herbology

## Events & Lectures

- ACES Office of International Programs, along with AgReach and the ADM Institute for the Prevention of Post-Harvest Loss, hosted an event with Bogor University in **Indonesia** to increase bilateral research collaborations between our faculties.
- ACES Office of International Programs hosted a visit and lecture by our long-standing partners GB Pantnagar University in **India**. Seven GB Pantnagar University administrators participated in a week-long training program as part of the visit.



- The Agricultural Research Corporation (Embrapa) in **Brazil** has had significant engagements with ACES faculty in recent years. Guy de Capdeville, Executive Director of R&D at Embrapa, gave the ACES Office of International Program’s Annual Distinguished International Lecture.
- ACES Office of International Programs and the Department of Animal Sciences hosted the seventh annual International Food Security Symposium in April of 2023. This year’s topic was “Ensuring Food Security in the Tropics Through Livestock Genetic Improvement.”
- The College of ACES, in conjunction with the European Union Center and the Aspen Institute **Germany**, hosted 16 members of the United States-German Forum for the Future of Agriculture for three days of meetings and tours during late June 2023. The forum addresses the challenges of protecting natural resources and mitigating climate change as well as developing rural regions with social and political cohesion. The program included an ACES-hosted roundtable discussion with Sen. Paul Faraci (IL-52), Sen. Chapin Rose (IL-51), and Molly Hammond, Illinois Deputy State Director for Rural Development, United States Department of Agriculture.

## Research Collaborations

- Feed the Future Innovation Lab for Soybean Value Chain Research: With UIUC as the lead university entity, the Soybean Innovation lab works across 28 countries in **Sub-Saharan Africa**, and more countries world-wide. Partners are research institutes, universities, governments, and private companies. SIL’s Pan-African Soybean Variety Trial (PAT) program now comprises a network scaled from 1 country and four locations in 2015 to 30 countries and 200 locations involving 70 organizations and over 190 partners today.
- AgReach is a smallholder farming movement that closes gaps in agrisystems so that smallholder farmers thrive. By maximizing the potential of people and technology, AgReach accelerates growth and increases food security around the world. AgReach continued to partner with farmers, NGOs, and governments around the world over the past year.
- The Global Food Security Graduate Fellows award supports exceptional graduate students who are interested in conducting thesis research in a developing country, in collaboration with a mentor from an International Agricultural Research Center, or national research institute devoted to food and agricultural issues. ACES Office of International Programs awarded graduate student Victor Funes Leal funds to work with INTA (**Argentina’s** National Institute for Agricultural Technology) on climate-resilient genetic traits in cattle. Graduate student Luana Benicio also received an award for her work with Embrapa (**Brazil**) on precision livestock farming.
- Five ACES faculty and staff members traveled to **Brazil** in March 2023 as part of the ACES Global Academy. Now in its 16th year, this signature ACES program takes a cohort to a different country on a two-week immersion program designed to familiarize faculty with agricultural and higher education institutions of the host country and to deepen collaborations. This cohort visited the Federal University of Lavras, ESALQ, and Vicosa, all ACES partner institutions.
- The Undergraduate Global Food Security Internship provided funding for two undergraduate students to work with ACES faculty on research projects related to global food security.

## Research Collaborations Continued

- Seven ACES faculty members received ACES International Seed Grant awards to stimulate their collaborations with international faculty. Projects were initiated with partners in **India, Brazil, South Africa, Vietnam, Kenya, and Pakistan** by:
  - » Dr. Camila Urbano Braz, Animal Sciences, “Exploring the Genetic Regulation of Reproduction in South African Sheep Breeds” (**South Africa**)
  - » Dr. Catalina Herrera Almanza, Agricultural & Consumer Economics, “Revisiting the Curse of the Mummy -ji: Mothers-in-Law and Women’s Welfare” (**India**)
  - » Dr. Italo Braz Goncalves de Lima, Animal Sciences, “Using different sensors to determine forage intake by beef cattle in a tropical environment” (**Brazil**)
  - » Dr. Juan Loor, Animal Sciences, “Oil and condensed tannins alter the ruminal microbiome in ruminants raised under tropical conditions in Vietnam” (**Vietnam**)
  - » Dr. Marin Skidmore, Agricultural & Consumer Economics, “The role of buyer-seller fidelity in zero-deforestation supply chain policy” (**Brazil**)
  - » Dr. Matthew Stasiewicz, Food Science & Human Nutrition, “Scalability and Technology Transfer of Single-Kernel Spectral Sorting to Reduce Mycotoxins in Maize from Upper Eastern Kenya” (**Kenya**)
  - » Dr. Salah Issa, Agricultural & Biological Engineering, "Survey of Agricultural Machinery Injuries in Pakistan" (**Pakistan**)

## Student & Scholar Mobility

- Summer Short-Term 2023 Study Abroad Programs:
  - » A Professional and Cultural Immersion in Animal and Veterinary Sciences in **Brazil**: 20 students
  - » ACE/RST 199 - Recreation, Sport, and Tourism Economics in **Croatia**: 23 students
  - » Leadership Study Tour in **Italy**: 25 students
  - » Wildlife Care and Conservation in **New Zealand**: 17 students
- Winter Short-Term 2022-2023 Study Abroad Programs:
  - » FSHN 398 - The Chocolate Food System in **Ecuador**: 13 students
  - » HDFS 379 - Service Learning, Child, Family, Health and Agriculture in **South Africa**: 23 students
  - » NRES 285 - Coral Reef Field Course in the **Bahamas**: 10 students
  - » NRES 285 - Ecology, Culture, & Envir. Sustainability in the Yucatan Peninsula (**Mexico**): 16 students
  - » Wildlife Conservation Management in **Tanzania** (Winter): 10 students
  - » ACES 298 - Service-Learning and Sustainability in **Ecuador** (Winter): 12 students
  - » Discovering Agricultural & Environmental Systems in **Panama**: 14 students
  - » International Development Immersion in **Sierra Leone** (Winter): 9 students
- Academic Year, Fall, Spring and Summer Study Abroad Programs: 77 students

## Partnerships & Visits

- Paddy Glennon, Programme Administrator, visited from the University College Dublin (**Ireland**).
- ACES Office of International Programs hosted visitors from partner institutions in **India, Indonesia, France, Vietnam, Brazil, and New Zealand**.
- ACES has 49 international agreements with 29 being outside of Europe, Australia, and New Zealand.



Student declares major in Accountancy

## GIES COLLEGE OF BUSINESS



### Courses & Trainings

- Gies Student and Corporate Connections: Project-based action learning courses bring education alive, and Gies has intentionally woven that experience throughout the undergraduate and graduate curriculum. Students apply classroom learning to solve real problems for real businesses, deepening their understanding. All undergraduate students take Business in Action (B301) — the largest experiential learning course in the nation — ensuring every Gies graduate participates in an action learning project. Action learning courses are also integrated into most graduate-level programs. Each semester Gies works with approx. 3-5 international based companies.
- Academy for Entrepreneurial Leadership: The Origin Ventures Academy for Entrepreneurial Leadership and the Chabad Center for Jewish Living at the University of Illinois co-hosted Daniel Aschheim, Deputy Consul General of **Israel** to the Midwest in a lecture talk for the Startup Nation initiative at Gies College of Business titled “Chutzpah, Innovation, Academia, and Everything in between” in October 2022. The event was kicked off by Dean Jeff Brown and attended by members of the Jewish and entrepreneurial student bodies.

### Events & Lectures

- The International Journal of Accounting, hosted within the Department of Accountancy, held its annual symposium in Vienna, **Austria**, in 2023.
- Tatyana Deryugina participated in "Rebuild, Reimagine, and Accelerate: Ukraine" organized by the Center on Democracy, Development, and Rule of Law at the Freeman Spogli Institute for International Studies at Stanford University and Economists for **Ukraine**.
- Prof. Min Jung Kim organized a symposium at the Academy of Management Meeting (Aug 6th, 2023), titled “Geography and Historically Marginalized Groups: Innovation and Entrepreneurship.”
- Prof. Mukherjee presented his research at the Indian Institute of Science, in December 2022, and at XLRI, in January 2023, and he is on the organizing committee of the Annual meeting of the Production and Operation Management Society, **India** Chapter in December 2023.

## Events & Lectures Continued

- Gies Online hosted gatherings between faculty and staff who were already traveling and students. These opportunities were designed to build student connection with the online program. Events took place in:
  - » London, **England** (October 2022)
  - » Dubai, **United Arab Emirates** (October 2022)
  - » Tokyo, **Japan** (October 2022)
  - » **Trinidad & Tobago** (January 2023)
  - » **Singapore** (March 2023)
  - » Thessaloniki, **Greece** (July 2023)
- Prof. Abhijeet Ghoshal is co-organizing with Prof. Gautam Pant the annual International “Workshop on Information Technologies and Systems 2023” at ISB in **India**.
- Prof. Unnati Narang presented her work "Geo-Tracking Consumers and its Privacy Trade-offs" in **Israel** at a research seminar and visitation during May 2023. She also had several research meetings at Tel Aviv University and gave a guest lecture in an MBA course. In **France**, Prof. Narang participated in research workshops at INSEAD as part of the Choice Symposium in August 2023.
- Prof. Pranav Gupta gave an invited talk on "AI-Enhanced Collective Intelligence: A Transactive Systems Framework" and joined a panel discussion at the **Japan** Advanced Institute of Science and Technology (JAIST) during the Transformative Knowledge Management Symposium.

## Research Collaborations

- Tatyana Deryugina in the Department of Finance collaborated with Florian Oswald of Sciences Po (Paris, **France**) on a research project.
- Professors Joe Mahoney and Fiona Yao have a project under review at Strategic Management Journal titled “Foreign Subsidiary Staffing Decisions: Joining Comparative Adjustment Costs and Institutional Theory” (by Wen Zheng, Fiona Yao, and Joseph T. Mahoney).
- Prof. Min Jung Kim has two research projects co-authored with researchers in **South Korea** (at Korea University). The first project, “Are Firms Doing What They Should Be Doing? Evidence from FDI Location and Operating Mode Choice,” examines how multinational companies make joint decisions on location and operating modes and how those decisions affect their FDI performance. The second project, “The Effects of the US-China Trade War on the FDI Configuration Strategy,” examines how United States multinational firms’ new foreign direct investments change in terms of the choice of countries to enter after the United States-**China** trade war.
- Prof. Joe Clougherty has several active projects including 1) “Mergers vs. Acquisitions” with Albert Banal-Estañol, Universitat Pompeu Fabra (**Spain**), Jo Seldeslachts, DIW Berlin (**Germany**), KU-Leuven (**Sweden**), and University of Amsterdam (**The Netherlands**), Florian Szücs, WU Vienna University of Economics and Business (**Austria**) about the differentiation between mergers and acquisitions based on the potential for partnering firms to respectively engage in two-way or one-way efforts in obtaining operational efficiencies and 2) “Peer Effects and Quality-Management Standards” with Michal Grajek, ESMT-Berlin (**Germany**) focused on reference-group adoption positively influencing focal-facility certification in quality-management standards (QMS).



- Prof. Ujjal Mukherjee has several collaborative international projects underway. Specifically, along with Prof. Samit Paul (Indian Institute of Management, Kolkata, **India**); Prof. Alok Raj (Xavier Labor Relations Institute, Jamshedpur, **India**); and Prof. Atanu Chaudhuri (Durham University), he is engaged in a research project that examines the role of Blockchain technologies in supply chains, and how the meaningful use of Blockchains can improve the operational performance such as cost, reliability and responsiveness of Global Supply Chains. Along with Prof. Gopesh Anand (Gies College of Business); Alok Raj (XLRI, **India**), and Saroj Kuma (General Manager, Tata Steel), they are collaborating with Tata Steel to conduct a field study on the role of Internet of Things (IoT) technology in operations of Steel Manufacturing. Finally, along with Prof. Prashant Yadav (INSEAD, **France**); and Prof. Atanu Chaudhuri (Durham University) he is collaborating with iKure, a leading Telehealth provider in **India**, to conduct a field study and experiment on the adoption and usage of Telehealth with Community Health Workers in delivering primary and preventative healthcare to the under served communities in rural **India**.

### Student & Scholar Mobility

- As part of the Illinois Scholars at Risk (iSAR) committee, Tatyana Deryugina helped design the program at the university and bring the first cohort of international scholars to campus. Deryugina also helped Gies select five **Ukrainian** academics working in related fields for remote fellowships.
- Gies Online hosted an in-person immersion program in summer 2023. This short-term study abroad faculty led program that took place in Sao Paulo and Rio de Janeiro in **Brazil** with 40 students participating. Students visited different local companies, paired up with a local university, and worked on a case study for a local company to help them fix a current problem they are facing.
- The Department of Accountancy hosted one visiting scholar from **Germany** during the Spring 2023 semester.

### Partnerships & Visits

- The Department of Accountancy continues its partnership with ABRACICON, the educational partner for **Brazil's** professional accounting society.
- Gies Business Graduate Programs renewed an MOU with National Taiwan University and National Chengchi University in **Taiwan**. The Program is also pursuing a MOU with Shanghai University of Finance and Economics on the 1+1 program with M.S. in Finance Program.
- Staff from the Gies Graduate Programs engaged in site visits to meet with prospective students and alumni with stops in **China, Kazakhstan, India, Taiwan, and Uzbekistan**. Staff also hosted webinars with Beijing Normal University, Hong Kong Baptist University, Jiangxi University of Finance and Economics, Ningbo Nottingham University, and Wenzhou Kean University.
- Prof. Carlos Torelli is a Member of the Hong Kong Research Grant Council Business Studies Panel. This is the entity that approves grants for researchers in **Hong Kong**. As a panel member, Prof. Torelli traveled to Hong Kong for the business panel meeting in which grant proposals were approved, gave talks at the University of Hong Kong, and visited with colleagues at the Hong Kong University of Science and Technology.
- Tatyana Deryugina continued a variety of activities as co-founder of Economists for Ukraine (non-UIUC entity) and helped launch the Universities for **Ukraine** program.

## Partnerships & Visits Continued

- In September 2022, Assistant Dean of International Programs and Director of Recruitment and Admissions visited institutions **United Arab Emirates** to discuss potential partnerships for business master's programs. Universities visited included:
  - » Zayed University, Dubai
  - » University of Dubai
  - » BITS Pilani, Dubai Campus
  - » Canadian University in Dubai
  - » American University in the Emirates
  - » American University in Dubai
  - » Heriot-Watt University
  - » Manipal Academy of Higher Education – Dubai
  - » Westford University College - Al Zahia campus
  - » American University in Sharjah
  - » Abu Dhabi University
  - » Khalifa University
  - » United Arab Emirates University
- The Gies Graduate Programs Recruiting & Admissions team strengthened relationship with EducationUSA offices, presented webinars in collaboration with EdUSA **India** in September 2022.

## Publications

- The Department of Accountancy has a faculty member who is a part of the American Accounting Association International Council. The American Accounting Association is the premier professional organization for accounting educators. This faculty member is also the editor of Revista de Educação e Pesquisa em Contabilidade (Journal of Education and Research in Accounting), a **Brazilian** accounting research journal.
- Prof. Abhijeet Ghoshal is working with a faculty, Rajib Saha, at Indian School of Business (ISB), **India**, on a publication titled "A Platform's Dilemma in Controlling Marketplace Transactions."
- J.A. Clougherty & T. Duso (2023) Revisiting the relatedness hypothesis: The impact of merger relatedness on acquiring and rival firm value. Long Range Planning forthcoming.
- J.A. Clougherty & M. Grajek (2023) Decertification in quality-management standards by incrementally and radically innovative organizations, Research Policy 52(1): 1-16.
- J.A. Clougherty & N. Zhang (2023) Antitrust policy and inward FDI: The impact of policy risk and uncertainty on United States inward-FDI flows, International Business Review 32(4): 1-12.
- Tatyana Deryugina in the Department of Finance co-authored "Rebuilding Ukraine's Energy Sector: Challenges and Opportunities." (with Oleksandr Kravchenko and Mar Reguant) Chapter in Rebuilding **Ukraine**: Principles and Policies (Yuriy Gorodnichenko, Ilona Sologoub, and Beatrice Weder di Mauro, editors), CEPR Press, 2022.
- N. Drori, N. Hashai, & J.A. Clougherty (2023) Fire and Ice: The Incompatible Impact of Industry Wide Domestic Patents and International Standards on Firm Internationalization, International Business Review 32(5): 1-17.



Engineering Open House Tesla Coil Concert

## GRAINGER COLLEGE OF ENGINEERING



### Courses & Trainings

- Grainger continues to pursue and develop Global Classrooms, allowing students to collaborate online with peers from abroad, or local NGOs.
  - » Standard Global Classroom:
    - » ENG 100 CEE Sections (~200 students) and ZJUI First Years in Eng 100 (~200 students).
    - » Continued to collaborate with ECS on ENG 177 Career Scholars, providing a virtual global experience.
  - » Collaborative Online International Learning (COIL) Plus Courses (courses which had a virtual component during the semester and travel):
    - » ENG 377: ELA Global Leaders. Students worked on project in **Italy**. This course also engaged exchange students from University of Pisa and commenced with travel to **Italy**.
    - » ENG 177 Global Service Learning FA 22 to **Bolivia**.
    - » ENG 177 Guatemala – ARISE & MEP students with travel to **Guatemala**.
    - » AE 398 – Brazil, Brian Woodard & Laura Gerhold with travel to **Brazil**.
- Grainger increased study abroad participation in the Global South:
  - » Short-term programs in the **Global South**: 97 total students participated.
  - » Semester programs in **Latin America & Caribbean**: 4 total students participated.
- Trainings and workshops hosted by IPENG:
  - » **Jamaica** Faculty Retreat (January 2023)
  - » APAIE Asia-Pacific Association Conference 2023 (March 2023)
  - » Forum on Education Abroad 2023 Annual Conference (March 2023)
  - » COMPEAR Global Education Network 2023 Global Respectful Disruption Summit (April 2023)
  - » Global Engineering Education Consortium 2023 Annual Meeting (May 2023)



## Student & Scholar Mobility

- 323 Grainger students studied abroad during academic year 2022-2023, marking the first full year of regular student abroad since the COVID-19 pandemic:
  - » Fall 2022: 16 students
  - » Summer 2022 Short Term: 71 students
  - » Summer 2022 Semester: 21 students
  - » Spring 2023: 76 students
  - » Spring Break 2023: 8 students
  - » Summer 2023 Short Term: 25 students
  - » Summer 2023 Semester: 41 students
- Grainger hosted 331 incoming exchange students during academic year 2022-2023:
  - » Pisa (**Italy**): 18 students
  - » ZJUI (**China**): 208 students
  - » Non-ZJUI: 105 students

## Partnerships & Visits

- The department of Computer Science has an ongoing curriculum development relationship with Insper in **Brazil**. Faculty exchanges occur regularly and student researchers are hosted in the summer.
- SIIP Implementation Grant: Developing COIL projects in Engineering Education work continues from start-up grant, and renewed for second year with successful projects building a community of practice for study abroad and COIL and a faculty retreat to **Jamaica**.
- Grainger was awarded from 100,000 Strong in the Americas Dept. of State grant (\$25,000) with Universidad de Valle (lead institution) in **Guatemala**. Grant funds support student scholarships, travel and logistic costs. Grainger hosted the UVG Students on campus in October.
- Computer Science developed a partnership with Insper in **Brazil**.
- Smart Health Center with VinUni in **Vietnam**.
- ZJUI Double Degree Program with Zhejiang University in **China**.
- Grainger's ENG 398 Design your Illinois Experience is an orientation course for all exchange students (300+) which helps them integrate into the campus and community.
- International Visitors Hosted by IPENG: ENSEA - Nationale Superieure de l'electronique et de ses Applications (September 2022), University of Bristol (September 2022), Ecole Centrale de Lille (October 2022), and University of Southampton (June 2023).
- Site visits to current and prospective international partners undertaken by IPENG: Universidad Pontifica Comillas (October 2022), Charles III University of Madrid (October 2022), Universitat Politecnica de Valencia (October 2022), National University of Singapore (March 2023), Zhejiang University-UIUC Joint Institute (March 2023), National Yang Ming Chiao Tung University (March 2023), ENSEA - Ecole Nationale Superieure de l'electronique et de ses Applications (April 2023), Ecole Centrale de Lille (April 2023), CEA CAPA Paris (April 2023), Swiss Federal Institute of Technology Lausanne (April 2023), ETH Zurich (April 2023), and CEA CAPA Buenos Aires (May 2023).



Student Dance Performance Rehearsal

## COLLEGE OF FINE & APPLIED ARTS



### Courses & Trainings

- Led by Dr. Stephen Fairbanks, the School of Music sponsored a Summer Music Residency at the University of Cambridge (**England**), in which University of Illinois music students received one-on-one guidance from Cambridge-based scholars on their respective research and performance projects.

### Events & Lectures

- Karin Hodgins Jones, Teaching Assistant Professor and Program Coordinator for the Bachelor of Science in Sustainable Design (in the School of Art and Design) presented on her 11-year research engagement with the European LEADER program Local Action Group, Joutsenten Reitti, in Satakunta, Sastamala, **Finland** at the Current Affairs webinar on Rural Policy and Rural Development, organized by the Finnish Ministry of Agriculture and Forestry, Rural Network, Rural Policy Council.

### Student & Scholar Mobility

- The Bachelor of Science in Sustainable Design program developed a new course for spring 2023 to visit and build partnerships across industry, government, international agencies, and community partners in southern and southwest **Finland**. Partners in Finland engaged students in zero-waste, circular economy, climate and ecosystem resilience, bioremediation, and invasive species management within the contexts of local and international funding strategies to support transitions toward these and other sustainability goals.
- Aaron Muñoz (Acting) received funding from the BRIDGE Seed Grant for his project “The Universal Stage: Experiments in Hybrid Performance for the 21st Century Theatre.” Working with the University of Birmingham’s Shakespeare Institute (**England**), the collaboration will “create new methodologies for merging live theatrical performance with digital theatre.”



School of Information Sciences Building

## SCHOOL OF INFORMATION SCIENCES



### Courses & Trainings

- Anita Chan developed a proposal and received 2022-2026 funding for “Technology, Global Culture & Digital Equity - Preparing the Next Generation of Global ICT Developers and Policy Makers,” Funding for travel and programming related to the Technology, Global Culture & Digital Equity Certificate. \$46,000 from the campus’ Center for Global Studies, Center for Latin American and Caribbean Studies and Center for Women & Gender in Global Perspectives.

### Events & Lectures

- iSchool participation in a special workshop on data science and data management in Kyushu University (**Japan**), June 2023, with over 160 participants. This event was held as part of the ongoing Kyushu-Illinois collaboration and sponsored by both universities in the areas of research data management, data science and digital humanities. Future workshops are planned for Spring and Fall 2024.
- iSchool co-organized the international iConference 2023, held in Barcelona, ES with co-leaders in **Spain** and **Australia**.

### Research Collaborations

- Joint research project funded by the National Endowment for the Humanities (NEH) for the Humanities and the Arts and Humanities Research Council (AHRC) called “AEOLIAN (Artificial intelligence for cultural organisations)” led by Loughborough University (**England**) in partnership with the iSchool’s HathiTrust Research Center.
- Joint research project, funded by the ARCH, called “The Internet of Musical Events: Digital Scholarship, Community, and the Archiving of Performance (InterMuse),” led by York University (**England**), with University of Illinois participants including HTRC, iSchool, School of Music, and Krannert Center for the Performing Arts.
- Anita Chan participated in “Music and Artificial Intelligence: Building Critical Interdisciplinary Studies” (funded from 2021-26) with Georgina Born, Lucy Suchman, Kate Crawford, Nancy Baim, Adrian Mackenzie, Jonathan Sterne. European Research Council Grant of 2.5M Euro.



- Anita Chan, who serves as the director of the Community Data Clinic (CDC) at the iSchool, directed funding, research support, and mentorship towards bridging connections in the iSchool to the global critical data/information studies community, including the Tierra Comun (TC) critical data studies in the global south network headed by Nick Couldry of LSE and Paola Ricuarte of Tec de Monterrey (**Mexico**).
- With iSchool Post-doc Yousif Hassan (a Critical AI and African Studies scholar) and Tierra Comun scholars, the CDC is also leading a series of panels for 4S 2023 in Honolulu on “Decolonizing Data Infrastructures: Pluralizing Imaginaries and Histories of Datafication.” There are currently 24 papers represented in the panel series.
- The CDC has bridged a connection to international critical data studies scholars researching ALPRs in the **Global South**. All of us worked with a former iSchool postdoc and now faculty at Seoul National University (**South Korea**), Chamee Yang.

## Student & Scholar Mobility

- During the 2022-2023 academic year, ten iSchool students studied abroad on seven unique study abroad programs:
  - » Illinois in **Spain** at Barcelona SAE
  - » University of Birmingham in the **United Kingdom**
  - » University of New South Wales in **Australia** (UNSW)
  - » Lorenzo de Medici - Florence, **Italy**
  - » Illinois in **Spain**: Spanish Studies in Granada
  - » National University of **Singapore** (NUS)
  - » Illinois Program in Paris, **France** (IPP)
- First research intern placement of an iSchool Ph.D. student within the competitive exchange program of the National Institute of Informatics, Tokyo, **Japan**, starting Spring 2024.
- The CDC at the iSchool has connected two students to critical data studies networks in Latin America, and dedicated CDC funds to support this. This has allowed one student to travel to a 10-day workshop in **Brazil** hosted by Tierra Comun to advance research on facial recognition technologies in **Brazil**. They are now also part of a Tierra Comim research publication on Resisting Data Colonialism.

## Partnerships & Visits

- New research MOU with University of Perpetual Help System Laguna (**Philippines**) – Binan Campus exploring perceptions of Artificial Intelligence in the library and information professional communities.
- iSchool’s Scholars-in-Residence Program, along with its new postdoctoral Fellows program, continue their traditions of global outreach with scholars from **Australia, Brazil, Canada, China, Colombia, India, Japan, Pakistan, South Africa, and South Korea**.
- iSchool signed on as hosting partner for the European Union’s Next Generation Internet (NGI) Transatlantic Fellowship Program “NGI Enrichers” for 2022-2025.
- Anita Chan sponsored and hosted Ph.D. student Sergio Rodriguez from the Universidad Javeriana (**Colombia**) as a visiting scholar with the iSchool working on decolonial data studies. As part of the visit, two events were organized: a panel on Reparations and Resistance in the Archives and a workshop on Reparations and Zine Making.

## Publications

- Anita Chan dedicated time to advancing her current book project, “Refusing Predatory Data: Dissident Futures from Eugenics to Big Tech,” that extends global justice-based research ethics in data and information studies. The project’s chapters draw from feminist and decolonial arguments to fortify a politics of refusal to offer a historical, globally multi-sited analysis of the relations of dispossession, misrecognition and segregation expanded by dominant knowledge institutions in the Age of Big Data, naming a much-longer standing epochal view of violence in knowledge and datafication infrastructures than critiques of big data typically acknowledge.



Outgoing Study Abroad Students in Italy

## ILLINOIS ABROAD & GLOBAL EXCHANGE



Illinois Abroad and Global Exchange provides direct and administrative supervision for faculty-led study abroad and exchange programs, serving both incoming and outgoing students, on the Urbana-Champaign campus and across the globe. During the 2022-23 Academic Year IAGE facilitated programming for 1,707 outgoing and virtual student experiences and helped bring 676 incoming exchange students to our campus. These numbers include students on programs directly administered both by IAGE and by college study abroad offices.

## COLLEGE OF LIBERAL ARTS & SCIENCES



### Courses & Trainings

- Alvarado. GLBL 298: Migrations and Development Dilemmas. New Short-Term Study Abroad course to be offered in summer 2024.
- As part of LAS Global Classrooms, the School of Integrative Biology's IB 104 Animal Biology is currently offered as an initiative that supports students and instructors to structure collaborative, online, and international learning experiences. This course, taught by SIB's Dr. Lily Arias, is partnered with Liliana Harding, University of East Anglia (**United Kingdom**) and Isabel Rodriguez Tejedo, University of Navarra (**Spain**). Facilitated by technology, students from the University of Illinois and students from these international partner institutions share projects on introductory zoological concepts with emphasis on the diversity and comparative anatomy of animals and the fundamentals of physiology, genetics, evolution, and behavior.
- Dr. Kara Federmeier (Psychology) offered a course on EEG methods at the Center for Ubiquitous Computing Summer School run through the University of Oulu (**Finland**).
- Prof. Bruce Fouke (Geology) offered a free Massive Open Online Course (MOOC) via Coursera entitled Emergence of Life for which ~15,000 international students enrolled in AY2022-23.
- Prof. Jenny Druhan (Geology) is training three UIUC Ph.D. students (Jon Golla, Celia Reina, Andrew Guertin) on the Neptune multi collector ICPS at Institut de Physique du Globe de Paris in **France**, field work and instrument deployment in French Critical Zone Observatories.
- Professor Jake Bowers (Political Science) taught a week-long course on "Field Experiments and Causal Inference" at the European Union Institute, Florence, **Italy**, June 2022. Professor Bowers also gave two speeches at the Escuela de Invierno de Métodos, Departamento de Ciencias Sociales y Políticas, Universidad Católica de **Uruguay** in July 2023. One speech was focused on "Matching for Statistical Adjustment" and the other on "Evidence Based Public Policy."
- Professor James Yoon (Linguistics) was invited to give a week-long intensive seminar in the Department of Linguistics at Seoul National University (**South Korea**). Professor Yoon was also invited to give talks at several other universities in **South Korea** including Korea University, Yonsei University, and Chosun University.



## Courses & Trainings Continued

- Professor Paul Diehl (Political Science) taught three courses with an internal focus including, Laws of War (OLLI course, fall 2022), PS 386 International Law (fall 2022), and PS 357 Ethnic Conflict (spring 2023).
- Professor Rana Khoury (Political Science) taught two globally focused courses, on social movements and on refugees.
- The School of Integrative Biology has partnered with ATLAS to develop an International Partner High School (IPHS) program. This program aims to offer lower division coursework to international students in a high-quality online format. The School also recently redeveloped our introductory biology class for non-majors (IB 100) as a 32-week blended course appropriate for international learners. Although the IPHS program's launch continues to prove challenging, we are committed to offering this course and are glad to learn of ATLAS's new focus on a self-vendor model.

## Events & Lectures

- Coşkun Kunduz, A. & Montrul, S. "Toward understanding the variability in Turkish heritage language children's acquisition of evidentiality" HL@Cross2023, Istanbul Medeniyet University, Istanbul, **Turkey**, May 29-30, 2023.
- Flow/Overflow/Shortage: Measuring and Managing Extreme Urban Conditions. Virtual workshop based in Paris with an editorial collective from the United States, **United Kingdom, Germany, France, South Africa**, and **Italy**, May 2023.
- Gallardo, M. and Montrul, S. "Resultatives in the Dominant and Heritage Language" HL@Cross2023, Istanbul Medeniyet University, Istanbul, **Turkey**, May 29-30, 2023.
- Martine Gallardo, Silvina Montrul Bilingual Knowledge of Resultatives: A Study of Spanish Heritage Speakers, Linguistic Symposium on Romance languages 53, Paris, **France**, June 26-28, 2023.
- Montrul, S. & Dubin, D. "Visualizing determiners in discourse." Workshop on determiners. BRIDGE seed Grant. Birmingham, **United Kingdom**, June 12-13, 2023.
- Montrul, S. "Complex knowledge of complex sentences: Passives in Heritage Spanish." Workshop on Heritage Language Syntax 3, Université Paris 8 & CNRS, Paris, , **France**, October 20-21, 2022.
- Montrul, S. "Interface Vulnerability in Heritage Language Grammars? XXIII Deutsche Hispanistentag, Universiteit Graz, **Austria**, February 22-25, 2023.
- Montrul, S. "Is Structural Priming a Possible Mechanism of Language Change in Heritage Language Grammars? Some Evidence from Accusative Clitic Doubling in Spanish" Goethe Universität Frankfurt, **Germany**, February 20, 2023.
- Professor Peter Laserson (Linguistics) was invited to teach at the LOT Summer School, a 2-week graduate-level summerschool organized each year by the Landelijke Onderzoekschool Taalwetenschap (Dutch National Research School of Linguistics, **The Netherlands**). It draws students and faculty internationally for research-oriented courses in linguistics and related fields.
- Urban Theory Monthly Seminars, based in Urbana-Champaign. Monthly guest visitors from across the globe in 2023 included Jamie Peck (U. of British Columbia, **Canada**), Loretta Lees (U. of Exeter, **United Kingdom**), Cindi Katz (City University of New York, United States), and Andrew Jonas (U. of Hull, **United Kingdom**).

- 2023 Discussant, Sovereignty in the Age of Data, Governing Emerging Technologies Symposium, Kelowna, British Columbia, **Canada**, May 4-6
- Alvarado, N.A. 2022. Ciudadanías Infraestructurales: inmigrantes nicaragüenses, asentamientos informales, y la constitución de sujetos políticos a partir de infraestructuras para servicios básicos. 9ª Conferencia Latinoamericana y Caribeña de Ciencias Sociales (CLACSO), Mexico City, **Mexico**.
- Alvarado, N.A. 2023. Informalidad Urbana, Migración y el Derecho a la Ciudad: Viñetas desde La Carpio [Urban Informality, Migration, and the Right to the City: Vignettes from La Carpio]. Colloquium given at School of Geographic Sciences, Universidad Nacional de **Costa Rica**. May 11.
- Alvarado. Latin American and Caribbean Cities Collective, Co-Directed with Magdalena Novoa from Urban and Regional Planning. Organized 4 lectures and 4 workshops with Catalina Ortiz (University College London), Claudio Alvarado Lincopi (Center for Intercultural and Indigenous Studies, Santiago, **Chile**), Sofía Zaragocín (Universidad San Francisco de Quito, **Ecuador**), and Clara Irázabal (University of Maryland).
- Dr. Aaron Benjamin (Psychology) gave a workshop in Summer 2023 at the University of Basel (**Switzerland**).
- Dr. Erik R. Nelson (Molecular and Integrative Physiology) gave a talk titled "Leveraging Cholesterol Homeostasis to Re-educate Myeloid Immune Cells towards Anti-tumor" at the Dublin Steroid Cancer Meeting in Dublin, **Ireland** (October 2022).
- Dr. James Dalling (Plant Biology) presented seminars in person in Panama and online in Spanish in **Colombia** and **Mexico**.
- Dr. Kora Maldonado (American Indian Studies) hosted a q'anjob'al grammar workshop at UIUC in February 23, 2023.
- Dr. Sepideh Sadaghiani (Psychology) was the organizer and chair of a symposium for Human Brain Mapping Organization annual meeting, with other speakers from the **United Kingdom** and **Portugal**.
- Faculty in the Department of French and Italian participated in several workshops and panels and gave lectures overseas as part of their activities globally. One particularly notable event was a library walk-through to emphasize the collection of the drawings of the 19th-century French writer Marcel Proust in the Rare Books and Manuscripts Library last fall. That collection, fully online and available globally, is studied by an international network of experts that also publish the results of their findings. The last edited volume of a journal came out in 2022.
- Ghassan Moussawi (Sociology) participated in a keynote/masterclass entitled "feminist approaches to decolonizing knowledge production: unsettling research, methods, and theory" at the Society for Intercultural, Education, Training, and Research Europa (based in **Ireland**).
- Invited Department of Geography Colloquium, "Is Dracula Urbanism a Reality?" talk delivered at the University of Maynooth, **Ireland**, September 2023.
- Invited Urban Geography Specialty Group Plenary Lecture, "Monster Metaphors, Dracula Urbanism, and Smart City Mania," delivered at the Association of German Geographers Annual Meeting, Frankfurt, **Germany**, September 2023.
- Matt Soener (Sociology) participated in a conference in Berlin from June 2-4. He also worked Sciences Po offices in Paris, **France**, including meetings and working with former colleagues there on ongoing research from late June through July all of July.

## Events & Lectures Continued

- Prof. David Cooper (Slavic Languages and Literatures) organized an international Czech and Slovak Studies Workshop with two scholars from overseas (**Germany, Hong Kong**) invited to present.
- Prof. Kirk Sanders has been building collaborations in Latin America since November 2018. Most recently he gave a keynote address at a conference at the University of Buenos Aires (**Argentina**) in November 2022 (Sokratikoí lógoi, Platonikoí logoi); has participated in an online workshop in March 2023 organized by junior faculty and graduate students across Latin America (“Young LatAm Researchers: Socratic Philosophies Workshop”).
- The American Indian Studies program hosted several guest speakers including:
  - » Dr. Riley Taitingfong gave a talk titled “Editing Islands: Indigenous governance of gene drives in the Pacific” from the University of Arizona's Native Nations Institute (March 2023).
  - » Dr. Lucia Stavig from the University of Pennsylvania gave a talk titled “The Cosmopolitics of Health: Healing and Radical Resurgence in the Andes” (March 2023).
- Professor Jake Bowers (Political Science) gave several talks including:
  - » “How can government encourage COVID-19 Vaccination? Two studies showing (1) a tactic to avoid and (2) a promising avenue for creative policy intervention.” In: Democracy, Elections, and Citizenship – Facultat de Ciències Polítiques. Barcelona, Spain: Universitat Autònoma de Barcelona, **Spain**. June 2022.
  - » “Six Tips for Reproducible Field Experiments.” With Kevin Wilson. In: Toronto Workshop on Reproducibility. Toronto, **Canada**. February 2022.
  - » “When Should We Use Biased Estimators of the Average Treatment Effect?” With Gustavo Diaz and Christopher Grady. In: American Political Science Association. Montreal, **Canada**. September 2022.
  - » “Sensitivity analysis for null results: Implications for studies of racially biased policing.” With Thomas Leavitt and Luke Miratrix. In: International Conference of the ERCIM WG on Computational and Methodological Statistics. London, **United Kingdom**: King’s College London. December 2022.
  - » Invited Speaker at the Launch of the new University Wide Methodology Center at the Universidad Católica de **Uruguay**.
- Professor Paul Diehl (Political Science) gave several presentations on peacekeeping to Political Science faculty and graduate students and as part of the Center for Global Studies research series. Professor Diehl also gave a paper presentation at Texas A&M Bush School Workshop on the UN Emergency Peace Force as well as a presentation on coups at the University of Michigan.
- Professor Rana Khoury (Political Science) gave a lecture to the Midwest Institute for International Education's workshop on Global Justice and Human Rights on forced displacement as well as gave talks at Michigan State University and the University of Connecticut on Middle East-related research on contentious politics. Additionally, Prof. Khoury participated in panels, a podcast, and media interviews related to the February 2023 earthquake in southern **Turkey** and northwest **Syria**. Prof. Khoury also organized a globally focused panel at the International Studies Association on structure and agency in forced displacement.
- Professor Matt Winters (Political Science) presented research on foreign aid branding to the Center of Excellence on Democracy, Human Rights, and Governance at the United States Agency for International Development (February 2023) and presented at and participated in a Workshop on Foreign Aid Research



at the University of Haifa in **Israel** (Summer 2023).

- Prof. Jenny Druhan (Geology) gave a seminar at the **Luxembourg** Institute of Science and Technology.
- Prof. Gillen Wood (Geology) is serving on the Scottish Association for Marine Science organizing committee for a public speaker series, called "Challenger Conversations," to mark the 150th anniversary of the Challenger voyage. These online events to be promoted in both the **United Kingdom** and United States Prof. Wood will also feature as a participant in the series.
- Conroy, J.L. Murray, N.K.1, Cole J.E., Chillagana, D., Echeverria F. 2023. Influence of the Pacific Equatorial Undercurrent on Galápagos Seawater  $\delta^{18}\text{O}$  Values. Annual V.M. Goldschmidt Conference in Lyon, **France**.
- Conroy, J.L. Murray, N.K.1, Patterson, G.S.2, Schore, A.I.G.1, Ikuru, I.2, Cole J.E., Chillagana, D., Echeverria F. 2022. Galápagos seawater  $\delta^{18}\text{O}$  values: An Equatorial Undercurrent Proxy? Island Systems Integration Consortium All Hands Meeting, Cincinnati, Ohio.
- Prof. Martin Gruebele (Chemistry) shared research findings at international conferences and summer schools, including Peking University (**China**) and Seoul National University (**South Korea**). Prof. Gruebele also co-organized international conferences including the Protein Dynamics Symposium at the International Conference on Biological Physics in **South Korea** (August 2023).
- The Department of Chemistry's Organic Chemistry team organized several visits and lectures:
  - » Prof. Josep Cornella from **Germany** for the Merck Lecture (8/25/22)
  - » Prof. Darren Dixon from the **United Kingdom** for the BMS Lecture (9/8/22)
  - » Prof. Don Hilvert from **Switzerland** for the Amgen Lecture (9/12/22)
  - » Prof. Yoshiaki Nakao from **Japan** for the Eli Lilly Lecture (10/6/22)
  - » Prof. Eiji Yashima from **Japan** for the Genentech Lecture (10/13/22)
  - » Prof. Stefan Matile from **Switzerland** for the AbbVie Lecture (10/20/22)
  - » Prof. Oren Scherman from the **United Kingdom** for the 3M Lecture (11/14/22)
  - » Prof. Lee Cronin from **Scotland** for the Janssen Lecture (2/27/23)
  - » Prof. Masayuki Inoue from **Japan** for the Merck Lecture (3/6/23)
  - » Prof. Jason Chin from the **United Kingdom** for the Novartis Lecture (5/12/23)
- The Department of Chemistry's Inorganic Chemistry team welcomed Leif Hammarstrom from **Sweden** for the Distinguished Inorganic Lecture. The Inorganic Chemistry team also invited Prof. Bartholomaeus Pieber from **Austria** to give a seminar.
- The Department of Chemistry awarded Prof. Vivian Yam of the **Hong Kong** Academy of Sciences was awarded the Bailar Medal for her outstanding contributions to the rational design and synthesis of new luminescent metal complexes, as well as her achievements in fundamental research in inorganic and coordination chemistry.
- The Department of Chemistry's Physical Chemistry team welcomed Professor Siewert-Jan Marinka from **The Netherlands** for the Physical Chemistry Seminar on February 15, 2023. The seminar was titled "Molecular Dynamics Simulation of an Entire Cell."
- Prof. Martin Gruebele (Chemistry) organized a sabbatical visit fro Prof. Debabrata Goswami from IIT Kanpur (**India**) June-August 2023, on protein diffusion experiments and computational modeling. The visitor also gave a well-attended lecture in July 2023.

## Events & Lectures Continued

- Prof. Jonathan Sweedler (Chemistry) gave presentations and participation in several workshops in **Canada, Taiwan, Spain, Sweden, Italy, Switzerland, China, India, France, and Germany.**

## Research Collaborations

- The Cline Center for Advanced Social Research manages several large-scale data projects:
  - » Coup d'État Project, the world's largest global registry of failed and successful coups since 1945 for every country in the world.
  - » Global News Index and Extracted Features Repository, a continuously-updating and nearly-real-time database consisting of a full-text searching capability across over 170M news reports from around the world spanning 1945 to present day, and an extensive array of pre-computed features (including a range of sentiment types, lists of named entities mentioned in news reports, and lat/long coordinates for all named places) and metadata types (including title, source, publication date) that can be downloaded for any news report tracked by Cline Center systems.
  - » Archer, over 170M news reports via the Global News Index and Extracted Features Repository. Archer's user-interface system is a front-end application to enable researchers without computational skills to query, visualize, and download a wide range of features extracted computationally from a wide variety of English-language news reports originally published around the world from 1945 to yesterday. Archer's API allows developers and production applications to query and pull extracted features data in real time at scale.
  - » Responsible Terrorism Coverage Project, joint project of the Vrije Universiteit Amsterdam (**The Netherlands**), University of Mannheim (**Germany**), and the University of Illinois Urbana-Champaign (United States). Supervised the University of Illinois research team and designed public-facing communications for multi-national research program dedicated to helping journalists provide the information that citizens need about terrorist attacks without giving terrorists the attention that they want. In addition to collaborating with other national teams to produce an extensive array of multi-national news data and analysis tools for terrorism researchers, developed public-facing website for informing journalists and social media users about what terrorism is, what terrorists hope to get from public information about their violent actions, and recommendations on how to avoid giving it to them.
  - » Historical Phoenix Event Data Project, 8.2M records of protest, violence, and cooperation events around the world from 21M news stories spanning 1945 to 2019. This project is the most historically expansive event data project in the world, spanning over six decades of civil unrest events across multiple countries.
- The Cline Center for Advanced Social Research data projects continued:
  - » Social, Political, and Economic Event Database (SPEED) Project, supported quality assurance processes, consulted on content analysis methods, and provided guidance on computational social science methods for human-in-the-loop event data extraction project combining machine learning and natural language processing algorithms with highly-trained human analysts to produce highest-quality structured data on protest, political violence, and state repression events around the world.
  - » The Cline Center received two awards for its work in 2023 including 1) the 2023 International

Journal of Press/Politics Hazel Gaudet-Erskine Best Book Award for Building Theory in Political Communication for “internationally oriented books published in the past ten years that advance our theoretical and empirical understanding of the linkages between the news media and politics in a globalized world in a significant way” and 2) the 2023 Campus Excellence in Public Engagement Faculty & Staff Team Award (awarded collectively to the Staff Team of the Cline Center for Advanced Social Research) for the Cline Center’s sustained record of high-impact public engagement research.

- » Grant activity: Althaus, Scott (PI). 2022. “Facilitating Campuswide Access to a Century of Global News Content.” University of Illinois Center for Global Studies, US Department of Education Title VI National Resource Center Grant in Global Studies. Round 2 project duration: 2022-2025 (\$24,000); Round 1 project duration: 2018-2021 (\$42,344).
- Alvarado, N. has ongoing research projects with Nicaraguan migrants living in La Carpio: the largest migrant settlement in Central America, located in San José, **Costa Rica**. These projects look at urban rights for non-citizen migrants, migrant-state relations, and racialized processes of socio-spatial oppressions.
- Dr. Alison Bell (Evolution, Ecology, and Behavior) studies sticklebacks and has populations of particular interest in **Canada**, where she does research and has been involved in workshops.
- Dr. Amy Marshall-Colon (Plant Biology) is engaged in joint research project underway with researchers in **Belgium** and **Germany** on crop enhancement and sustainability.
- Dr. Andrew Leakey (Plant Biology) is researching the global challenges of adapting crops to global change and developing next-generation bioenergy and bioproducts. In addition, Dr. Leakey published two papers with international collaborators, was the keynote speaker at the Gordon Research Conference on CO2 Assimilation Genome to Biome (**Italy**); participated in workshop on crop responses to global challenges at German Consulate (New York); and spoke at the Annual Meeting of the Society for Experimental Biology, **United Kingdom**. Dr. Leakey hosted visits from a member of the German Embassy to discuss bioenergy; a delegation of scientists from 5 UK institutions to discuss digital agriculture; a group of 5 scientists from the University of Essex, UK to discuss high-throughput phenotyping. Dr. Leakey is a member of the Plant Sciences Committee for the Society for Experimental Biology, UK and Editor for international journal, Plant, Cell & Environment. Finally, Dr. Leakey trains early-career scientists from **Ethiopia, China, India, Uruguay, the United Kingdom**, and United States.
- Dr. Andy Suarez (Evolution, Ecology, and Behavior) studies ants from around the world. In this past year, he took a sabbatical to **Australia** which included giving a seminar at La Tribe University and starting new collaborations on research in **Australia** with La Trobe University faculty and students. Dr. Suarez also has two on going "global" projects. One project includes coordinating the sampling of ants in over 25 countries on all continents except Antarctica. Another project includes a global list of participants reviewing the biology of a globally invasive ant species.
- Dr. Becky Fuller (Evolution, Ecology, and Behavior) has an ongoing collaboration with a former post-doc from **Taiwan**. She also served as an associate editor for the journal ‘Current Zoology’, which has its base in **China**.
- Dr. Carla Cáceres (Evolution, Ecology, and Behavior) recently published a paper with her graduate student using data that the student obtained while studying in **Panama** as part of a Training Grant between the University of Illinois and STRI.



## Research Collaborations Continued

- Dr. Chadly Stern (Psychology) has ongoing collaborations with researchers at the University of Kent (**England**), University of Leeds (**England**), McGill University (**Canada**), and NYU Abu Dhabi (**United Arab Emirates**). The work broadly explores how belief systems (e.g., political ideology) shape factors that contribute to inequality (e.g., stereotyping, polarization). The collaborations with University of Kent and McGill University have resulted in publications discussing how policies and belief systems shape factors that contribute to inequality (e.g., stereotyping, dogmatism), and using the internet to conduct surveys and experiments.
- Dr. Charles Roseman (Evolution, Ecology, and Behavior) has multiple ongoing collaborations with in **Canada** (University of Calgary, University of Toronto) and is currently co-organizing a workshop on evolutionary quantitative genetics at the University of Tübingen with colleagues from **Germany, Canada, South Africa, and Brazil**. Dr. Roseman is also a member of the Standing Interdisciplinary Research Grant Evaluation Panel for Fonds voor Wetenschappelijk Onderzoek, which is **Belgium's** version of the National Science Foundation.
- Dr. Chris Cheng (Evolution, Ecology, and Behavior) leads a joint research project with scientists from the United States, **Norway, France, and Italy**. The project involves sequencing and decoding the genome of the Greenland shark, the longest-lived vertebrate animal. Dr. Cheng is also a participating PI in a collaborative United States-**China** research proposal to the NSF international program NSF 22-508: Biocomplexity in a Changing Planet (boCP). Dr. Cheng also sponsors a **Chile** Fulbright project for a new postdoctoral researcher in my lab with Chilean collaborators including her participation in an upcoming Antarctic field program. Dr. Cheng has two joint publications in which her lab is the lead with contributions from international partners: (i) UK and Chile, and (ii) Chile. Dr. Cheng is also a contributor a large multinational project and publication on sequencing and decoding the genomes of 23 Antarctic notothenioid fishes led by U.K. Sanger/MRC. Dr. Cheng's lab includes collaboration with several global partners, due to the global nature of Antarctic biological research, and to some extent Arctic research. These included the training of two **South African** graduate students, one postdoctoral researcher from **Argentina**, and collaborative research with Chilean, Argentinian, and Chinese scientists.
- Dr. Dan Miller (Evolution, Ecology, and Behavior) is collaborating with faculty from the University of Western Ontario in **Canada**, where he performed his post-doc.
- Dr. Don Ort (Plant Biology) received funding from the Gates Foundation RIPE research program, which is globally focused in its central goal of developing improved photosynthetic traits for crops of small holder farmers in **Sub-Saharan Africa** with research teams from United States, **United Kingdom** and **Australia**.
- Dr. Dov Cohen (Psychology) is undertaking research on antecedents and consequences of violent and nonviolent conflict across globe as well as research on language effects on stock market perceptions in **Latin America** and **China**.
- Dr. Eva Fischer's (Evolution, Ecology, and Behavior) lab has a global focus in that they explore the biology of Neotropical poison dart frogs. As a result, this research involves collaboration with **Central** and **South American** scientists, as well as international field work. She and her lab regularly attend international meetings (especially with the Society for Neuroethology) and give international seminars in person and on Zoom last year.
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- Dr. Gabriele Gratton (Psychology) is collaborating with a group at the University of Chieti, **Italy**, headed by Dr. Antonio Chiarelli, on a project on the use of fast optical signal as a tool for brain-computer interaction. This collaboration also involves Prof. Sanmi Koyejo, at Stanford University. Dr. Gratton is also collaborating with a group at the University of Picardie, **France**, headed by Prof. Maurice Wallois, on recording fast optical imaging in premature infants, as well as with a group at the University of Birmingham (**England**), headed by Prof. Caterina Rendeiro, on using optical measures of to study effects of cocoa flavanols on brain hemodynamics.
- Dr. James Dalling (Plant Biology) collaborated in multiple international research projects involving global and pantropical research partners, including papers published in Science, Journal of Ecology (2), Nature Ecology and Evolution. Dr. Dalling also carried out field work in Panama in conjunction with the Smithsonian Institution and served on the board of the Organization for Tropical Studies, the pre-eminent organization providing undergrad and graduate training in tropical ecology.
- Dr. James O'Dwyer (Plant Biology) is engaged in a research project on the role of life history in global biodiversity patterns workshop at Max Planck Institute for Evolutionary Biology, **Germany**.
- Dr. Julian Catchen (Evolution, Ecology, and Behavior) is an expert in developing computational techniques for analyzing genomic data. He has frequently given workshops on the use of 'RAD' software to analyze genomic data. Dr. Catchen led a week-long, RADseq (Restriction site-Associated DNA sequencing) workshop in Mexico City (**Mexico**) in June 2022.
- Dr. Kara Federmeier (Psychology) is collaborating with Dr. Chia-lin Lee's group at National Taiwan University (**Taiwan**), studying ambiguity resolution processes cross-linguistically. This past year we submitted a paper for publication and developed follow-up studies. The collaboration is supported by a grant from the Chiang Ching-kuo Foundation.
- Dr. Ken Paige (Evolution, Ecology, and Behavior) has a start-up company 'Frenzy Crop Systems' that is developing relations with a **South American** crop company called 'Solynta'. Dr. Paige's start-up company is based off 40 years of research and resulted in a patent through the University of Illinois and an additional five in progress.
- Dr. Li-Qing Chen (Plant Biology) co-authored two papers: one with groups from Germany and Japan and one with groups in **China** as well as delivered a few talks in **Mexico** and **China**.
- Dr. Lisa Ainsworth (Plant Biology) received international collaborative research grants (RIPE; Leverhulme, organized for Gordon Research Conference, and hosted international visitors.
- Dr. Lori Raetzman (Molecular and Integrative Physiology) is collaborating with Maria Ines Perez Millan at University of Buenos Aires (**Argentina**) on a research project about pituitary gland biology.
- Dr. Mark Lara (Plant Biology) has a funded research collaboration with German Research Laboratories (Alfred Weigner Institute for Polar Sciences) as well as joint research paper collaborations with colleagues across **Canada**, Europe, and Asia and workshops and panel discussions in Puigcerda, Spain, Fairbanks, AK, and Whitehorse, **Canada**.
- Dr. Nien-Pei Tsai (Molecular and Integrative Physiology) is collaborating with Liang-Chuan Lai at National Taiwan University (**Taiwan**) on research about epigenetic regulation in brain cancer.

## Research Collaborations Continued

- Dr. Phil Anderson (Evolution, Ecology, and Behavior) attends international meetings and has collaborators from several countries. In 20203, Dr. Anderson attended the International Congress of Vertebrate Morphology in **Australia** and gave a presentation in a symposium. Dr. Anderson has an ongoing research collaboration with a lab in **Japan** and is initiating several others with collaborators in Europe and Australia. Dr. Anderson is also hosting an international seminar speaker for the PEEC (Program in Ecology, Evolution, and Conservation) seminar this year. The speaker is a collaborator from **The Netherlands**.
- Dr. Steven Burgess (Plant Biology) has received a grant through the UIUC-HUJI joint funding program which involves a collaboration with a researcher in **Israel**.
- Dr. Surangi Punyasena (Plant Biology) has ongoing collaborations with colleagues in **China** and **The Netherlands**, resulting in two publications and several more in preparation. One M.S. student studied/ conducted research in **The Netherlands** in Summer 2022 as part of this collaboration. Dr. Punyasena also has an ongoing research collaboration with colleagues in **Panama** (Smithsonian Tropical Research Institute).
- Gerhard, U., Wilson D. 2021-2024: Research project on the connections of COVID-19, urban institutional responses, and the production of public trust.
- Harrison, K. & Butcher, S. 2022-2024: Project on South African real estate and investment trusts (REITs) and affordable housing. (Research collaboration with South African planner & research associate at the Gauteng City Region Observatory, **South Africa**).
- Prof. Cathy Murphy (Chemistry) has collaborated and published research with former student, Alaaldin Alkilany, who is now at Qatar University (**Qatar**). Prof. Murphy is also currently hosting a visiting scholar, Dr. Offer Zeiri, whose affiliation is the Negev Nuclear Research Center, **Israel**, for joint experiments. Finally, Prof. Murphy welcomed a visiting student from the Federal University of Alagoas, **Brazil**, named Abner Magalhaes Nunes. Together with his advisor Mario Meneghetti, they all published a paper together in 2023.
- Prof. Christy Landes (Chemistry) collaborated with Prof. Andreas Fery at the Leibniz-Institut für Polymerforschung Dresden e.V. and the Institute of Physical Chemistry and Polymer Physics in Dresden, **Germany**. Together, they recently published paper in the Journal of Physical Chemistry Letters ("Active Control of Energy Transfer in Plasmonic Nanorod–Polyaniline Hybrids") and will be submitting a joint proposal this fall to the NSF-DFG Lead Agency Activity in Measurements of Interfacial Systems at Scale with In-situ and Operando aNalysis (NSF-DFG MISSION).
- Prof. Craig Williams was invited to informal collaborations by Dr. Susan Haskins, a lecturer in the Department of Ancient and Modern Languages and Cultures of the University of Pretoria (**South Africa**). In the summer of 2022 he participated in the 15th annual "Trends in Classics" conference in Thessaloniki (**Greece**), giving a paper on "Fragments of Roman Sexuality in Petronius' Satyricon." The volume of papers from this conference is currently in production (De Gruyter).
- Prof. Gillen Wood (Geology) is a fellow of the Scottish Association for Marine Science (SAMS). As a fellow, Prof. Wood and the "Challenger" team at NCSA has partnered with SAMS in development and launch of a searchable database of HMS Challenger marine data (1872-76) - "Challenger Expedition" is an open access site for researchers, historians, and educators. Work on a 2.0 upgrade of the site is ongoing with funding from the Carnegie Corporation. Upgraded website to be launched at the Challenger Society



Conference in Oban, **Scotland** in Sept. 2024.

- Prof. Jenny Druhan (Geology), together with a student team, are currently in year three of a five year NSF Early Career Award that focuses on hydrologic and geochemical structure and function of upland watersheds in collaboration with the Institut de Physique du Globe de Paris in **France**. Time is spent in **France** each year to analyze samples using the partner laboratories and work with the geochemistry team.
- Prof. Jess Conroy (Geology) conducted water cycle field research in Galápagos, **Ecuador**, with the Charles Darwin Research Station and with the Coral Reef Research Foundation, **Republic of Palau**, funded by National Science Foundation.
- Prof. Jonathan Sweedler (Chemistry) was involved in the scientific advisory board of the International Society on D-Amino Acid Research, which included multiple research conferences in **Japan** (2019) and the United States (2022).
- Prof. Peter Wright (Slavic Languages and Literatures) conducted research in Geneva, **Switzerland** at the WHO archives. This is research for one chapter of his book manuscript, which investigates the commercialization of socialist healthcare internationalism.
- Prof. Scott E. Denmark (Chemistry) collaborated with Professor Helma Wennemers at ETH-Zürich (**Switzerland**). Together, they used an algorithmically guided workflow to identify catalysts for a new reaction. They were interested in expanding the diversity of catalyst structures that could be optimized with the workflow and the tripeptide would require that we develop new descriptors to take into account hydrogen bonding and flexibility as well. Moreover, the tripeptides could be generated on an automated synthesizer to accelerate the process. This project was successful and a manuscript will be submitted describing these results.
- Prof. So Hirata (Chemistry) spent two weeks at University of Tsukuba, **Japan**, and one week at Nicolaus Copernicus University, **Poland**, for research.
- Prof. Tom Rachfuss (Chemistry) collaborated with several groups including the crystallography group at the Institut de Biologie Structurale (**France**), the theory group at Dipartimento di Biotecnologie e Bioscienze (**Italy**), the biochemistry group at the School of Life Sciences, University of Essex (**United Kingdom**), and the biophysics groups at the Max-Planck-Institut für Chemische Energiekonversion (**Germany**).
- Prof. Wilfred van der Donk (Chemistry) engaged in several collaborative research projects resulting in publications including the Centre of Excellence for Innovations in Peptide and Protein Science (**Australia**), Gonzalo Jiménez-Osés at CICbioGUNE on cyclic peptides and Olga Genillaud, Scientific Director at the Fundación MEDINA (both in **Spain**), Sonia Mendo at the University of Aveiro (**Portugal**), Fritz Hammerschmidt on the biosynthesis of the clinically used antibiotic Fosfomycin (**Austria**), and Ben Davius (Oxford) on the function of LanCL enzymes in mammals (**United Kingdom**).
- Professor Aleks Ksiazkiewicz (Political Science) engaged in a variety of research projects that involved international engagement in the form of international collaborators and/or using data from outside the United States (one edited special issue of Politics and the Life Sciences, three published papers, two papers under review, one conference presentation using international data, one conference presentation at an international conference, one book under contract with comparative politics data, and two additional working papers).

## Research Collaborations Continued

- Professor Gisela Sin (Political Science) collaborated with Dr. Valeria Palanza, from the Universidad Catolica de **Chile**, on a paper as well as an edited volume on presidential vetoes. Prof. Sin also collaborated with Rosario Aguilar (Newcastle University, **United Kingdom**) on a new project on people of African descent in **Latin America**.
- Professor Jake Bowers (Political Science) is working paper with Rosario Queirolo, Eliana Álvarez, and Lorena Repetto on “The Impact of Marijuana Sale at Pharmacies on Crime Victimization and Insecurity Perceptions: The Case of Montevideo, **Uruguay**” in addition to a paper on a field experiment in Zomba, **Malawi** with Christopher Grady, Nuole Chen, Matthew Winters, Mwayi Masumbu, and Boniface Dulani. “Can an Information Campaign about Taxation and Improved Service Delivery Increase Tax Compliance?”
- Professor Nora Webb Williams (Political Science) has a **Russia**-focused research project with Minerva funding called "Computational Kremlinology."
- Professor Paul Diehl (Political Science) has several research collaborations underway including 1) a research project on Peace in the Americas (North and South America) with a co-author in the **United Kingdom**, 2) a research project on UN Peacekeeping missions with a co-author in **Australia**, 3) a book project on teaching international law, 4) another book project on teaching international relations theory with co-authors from **South Africa** and **Canada**, and 5) a project on peacekeeping research with a co-author from the **United Kingdom**.
- Professor Rana Khoury (Political Science) advanced a globally focused research project with collaborators at Northwestern University to study refugee return during the Ukrainian war; they received IRB approval from UIUC and NU, and two of my collaborators conducted fieldwork in **Germany** and the **Czech Republic** during the summer.
- Professor Silvina Montrul (Linguistics) received a Lemann Center Collaborative Research Grant: “The Impact of Schooling on the Acquisition of “Little Words” in Brazilian Portuguese” with collaborator in **Brazil**: Elaine Grolla, University of São Paulo, and Tania Ionin (UIUC).
- Professor Xinyuan Dai (Political Science) collaborated with Dr. Alexandros Tokhi (formerly Wissenschaftszentrum and currently Frankfurt University, **Germany**) in multiple research projects. One of their joint publications is forthcoming in International Studies Quarterly.
- Professor Yujeong Yang (Political Science) is engaged in several joint research projects including 1) "Understanding Attitudes toward **China** and Globalization: A Cross-National Investigation and Mixed-Methods Approach," 2) "Kill Protests with Kindness Anti-China protests and China’s public diplomacy," 3) "Money backfires: the effect of Chinese FDI on anti-China protests," and "The Effect of Chinese Foreign Direct Investment on Collective Labor Rights."
- Professors Tania Ionin and Silvina Montrul (Department of Linguistics) received BRIDGE Seed Funding to collaborate with University of Birmingham faculty: Dagmar Divjak and Petar Milin. Their project, titled " How do scientific views change? An adversarial collaboration on language learning" explores and challenges the theories of generative linguistics and usage-based linguistics. The first workshop for this project took place in June 2023 at the University of Birmingham. Tania Ionin and Silvina Montrul traveled to Birmingham (**United Kingdom**) for this workshop. During the two-day workshop, participants discussed their own work, and subsequently discussed ideas for collaboration.

- Sivapalan, M. Water Security through Participatory Action Research in the Northern Province (WASPAR), University of Jaffna, **Sri Lanka**, 2020-2023. Funded by the World Bank
- Suzanne Franks and Eva Miszoglád (Linguistics) are collaborating with Professor Rommel Barbosa (Universidade Federal de Goias, Goiania, **Brazil**) and Eva Miszoglád on a project called "Machine learning applied to analysis of international teaching assistant speech."

## Student & Scholar Mobility

- The Kyungpook National University (KNU) in **South Korea** and University of Illinois Urbana-Champaign Summer Program started in 2018 and has run every year since, twice virtually (2020 and 2021) and 4 times on campus (2018, 2019, 2022, and 2023). The 4-week-long immersive learning experience includes 80 hours of instructional activities organized for 5-10 undergraduate students from KNU. The students are Education majors and prospective teachers in various fields (e.g., English, Korean, Physical Education, French, Russian, and Social Studies). Outcomes include:
  - » High School Observations: The students attended 12 hours at UHS, 10 hours of English and Civics classes observing the teachers at Urbana High School during Session II of their summer school. The students also had 2 hours with the Summer School Principal at Urbana High School who introduced all classes and extracurricular activities available to students and held a Q and A for students to ask questions about the American Education System.
  - » Faculty Lectures: 28 hours of lectures were held on campus (mainly in LCLB) from staff and faculty members in the Department of Linguistics, CITL, DRES, AACC and International Education. Each faculty lecture was designed for the program participants.
  - » Campus Events: Students participated in 8 hours of campus events held in the Asian American Cultural Center, Innovation Studio, and FabLab to get familiar with campus resources and available activities.
  - » English Language and Pedagogy: A 12 hour of English Language and Pedagogy course was designed for students to help with oral communication skills and pronunciation of English. In this communicative class, students delivered two Microteaching presentations and a 30-minute long Lecture-Discussion in pairs. They also completed online activities for English practice, which was complemented by in-class activities.
  - » Conversation Practice and Cultural Exchange: 10 hours of student-centered and interactive activities were prepared aiming for students to put into action what they were learning each day in the program.
  - » Field Trips: Three field trips to Illinois landmarks were designed for students to attend: Springfield, Chicago, and Arthur. Two events (Springfield and Arthur) were a part of the program with the Chicago-trip being an optional activity.
  - » American Culture Activities (non-instructional activities): Students participated in several American-culture-related activities, such as attending a BBQ and cookie party, exploring various parks, restaurants, and stores in Champaign-Urbana to gain an insight into living in the United States



## Student & Scholar Mobility Continued

- The Department of Linguistics offered a summer workshop for a group of ten undergraduate students and one faculty from Sookmyung Women's University (**South Korea**). The group stayed on campus to learn and experience American college classes and campus life for a week.
- David Unger, Undergraduate Program Director in the Department of Statistics, is an instructor in the MCS-DS program, the enrollment of his STAT 420 summer course includes students from at least five continents and around a dozen countries. Statistics Undergraduate Advising supports Statistics major who study abroad as well as provide curricular advice to students from other international institutions who visit the university.
- The residential study abroad program "Illinois in Athens," for which there is an MOU between LAS International Programs (administrative lead) and the Classics Department (academic oversight). The first cohort of students spent the Fall 2022 semester in Athens (**Greece**).
- Santa Susana's archaeological excavation project in Redondo, **Portugal** (Western Iberia Archaeology Research Cooperative, directed by Dr. Emma Ljung, Dr. Joey Williams, and Rui Mataloto).
- Classics Department Lecturer Betsy Bevis has been Field Director since 2019 and has been bringing Illinois students to **Portugal** to work on the excavation team every summer, with support of Classics Department travel awards.
- To create global partnerships and experiential learning opportunities, the School of Integrative Biology continues to expand study abroad options for IB majors and other students. Thirty-seven IB majors studied abroad in the 22-23 academic year, and another 30+ applications are already pending for 23-24AY travel. In a newly created role, the SIB Director of Study Abroad is now promoting opportunities for global learning along with individualized assistance for students regarding scholarships and course planning.
- Dr. James Dalling (Plant Biology) developed and ran a study abroad program in **Panama** for 15 undergraduate students in January 2023.
- Dr. Robert Kanter (Atmospheric Sciences) ran the Environment and Sustainability Field Expedition in conjunction with the Monteverdi Institute of **Costa Rica**.
- Dr. Sayee Anakk (Molecular and Integrative Physiology) is serving as mentor through the Khorana Scholars Program (**India**).
- The School of Integrative Biology offers two short-term, faculty-led courses with IB faculty and affiliates. These include Professor of Plant Biology, Jim Dalling's IB 496 Tropical Forest Ecology in Panama and Dr. Chris Taylor's IB 496 Natural History of Coral Reefs in **Belize**. Tropical Forest Ecology in **Panama** introduces students to the biodiversity of neotropical forest ecosystems, including the biogeographic history of tropical forests, the role of climate in their distribution, and theories on the origin and maintenance of their extraordinary species diversity. In the Natural History of Coral Reefs course in **Belize**, students study the home of the largest coral reef in the Western Hemisphere.
- The School of Integrated Biology offers a more enriched curriculum and transformational learning experience through the Vienna Plus program (**Austria**), which utilizes an internship to pair IB in Vienna students with a Viennese sustainability or health-related professional. This affords students with an opportunity to actively participate in Viennese professional life while also preparing for the global workforce as problem solvers. The School creates equitable and inclusive academic tracks in locations that are geographically closer to the UIUC campus to help bring costs down. In particular

to the IB 496 Tropical Forest Ecology in Panama experience, the School heavily subsidizes associated partnership costs. The School also offers specific financial awards for studying abroad in Biology such as the Delcomyn International Study in Biology Award. This award benefits undergraduate students majoring in Integrative Biology who wish to take advantage of educational opportunities in biology outside the United States and **Canada**. Upcoming efforts to construct experiential and field-based learning on the Galapagos Islands through a possible IB in **Ecuador** academic track continue to create more field opportunities in the **Global South**. An additional continued partnership between IB and the Organization for Tropical Studies is developing a sustainability and possible pre-health focused IB in **Costa Rica** program. This partnership, along with the **Panama** and **Belize** short-term, faculty-led courses engages students with the local communities and ecosystems, through activities such as visits with local coffee farmers and research institutions in **Latin America**.

- In the Department of Political Science, nine students were enrolled in the Vienna Diplomatic Program, where they studied abroad and wrote a capstone research paper. One VDP student, Natalia Crane, obtained support to continue her research at the OSCE archives in Prague in summer 2023. Professor Kostas Kourtikakis also taught a study abroad course in **Austria**.
- Political science students in PS 357 completed a joint assignment with students from Central European University (**Austria**) as part of a virtual exchange during spring 2023.
- Professor Jake Bowers (Political Science) was the methods director for an international network of social scientists and policy makers called Evidence in Governance and Politics (EGAP) in 2022.
- Professor Paul Diehl (Political Science) was a non-resident faculty fellow, Krulak Center, Marine Corps University, 2022-2023.
- Professor Matt Winters (Political Science) hosted a visiting scholar for three weeks in the Department of Economics and Business at Gadjah Mada University (**Indonesia**).
- Prof. Jonathan Sweedler's (Chemistry) postdoctoral associates have gone on to professorships, including most recently: Tian (Autumn) Qiu, Assistant Professor, Michigan State University; Dong-Kyu Lee, Assistant Professor, Chung-Ang University, Seoul, **South Korea**; Yaoyao Zhao, Assistant Professor, Beijing University of Technology, **China**; Hsiao-Wei Liao, Assistant Professor, National Taiwan University, **Taiwan**; Tong Si, Professor, Chinese Academy of Sciences.

## Partnerships & Visits

- In March 2023, Professor and Statistics Department Chair Bo Li invited Professor Jorge Mateu Jaume University (**Spain**) to visit campus and give a seminar about statistical models for the analysis, prediction and monitoring of space-time data and applications to infectious diseases and crime.
- Professor James Yoon (Linguistics) was invited to conduct a department program review for the Department of Linguistics, Seoul National University (**South Korea**).
- Alvarado. Hosting 2023-2034 Fulbright-Nehru Doctoral Research Fellow, Fathima Fasal, Sociology students at the Department of Humanities and Social Sciences, Indian Institute of Technology Madras, **India**, beginning September 2023.
- An MOU between UIUC and the University of Science and Technology of Beijing (**China**), first signed in Spring 2020 (spearheaded by Prof. Brett Kaufman of the Classics Department and Elly Hanauer of LAS International Programs) and was recently renewed through 2028.

## Partnerships & Visits Continued

- Paul O'Mahony of the Out of Time Theater in London (**United Kingdom**) visited our campus, leading workshops and directing a staged reading of Luis Alfaro's *Electricidad*, inspired by Sophocles' *Electra*, by a team of UIUC and local high school students. Prof. Angeliki Tzanetou of Classics and Sam Smith of Krannert Performing Arts Center co-organized.
- Prof. Angeliki Tzanetou of the Classics Department participated in a UIUC delegation's visit to various Greek universities in connection with the International Institute's (IIE) new initiative, IAPP **Greece**, which is fostering a collaboration between 25 US universities and colleges and 24 Greek universities with the Greek Ministry of Education and Religious Affairs as the representative institutional partner on the Greek side.
- **Cypriot** poet Kyriakos Efthymiou visited our campus and gave a poetry reading, met with students, sponsored by the Classics Department; event organized by Maria Hadjipolycarpou, Lecturer in the Classics Department.
- Professor Athol Kemball (Astronomy) was awarded the Carnegie African Diaspora Fellowship in March 2023, which supports scholar fellowships at African higher education institutions to foster research collaboration, graduate student teaching/mentoring, and curriculum co-development. As part of the agreement, Prof. Kemball has been appointed as a Distinguished Professor in the School of Physics at the University of Witwatersrand in **South Africa**. The collaboration between will promote astronomical research using the cutting-edge South African-based MeerKAT telescope and provide new educational and research opportunities to scholars at both institutions.
- Dr. Andrew Leakey (Plant Biology) contributed to a review publication with researchers in South America and Asia, and hosted a visitor from the **United Kingdom** to explore collaborative funding opportunities.
- Zsuzsa Gille (Sociology) served as External Advisor to the Research Project "Emptiness: Living Capitalism and Democracy after (Post)Socialism" at the University of Oxford (2020-present). The project is based at the Centre for Migration, Policy & Society (COMPAS), School of Anthropology & Museum Ethnography (SAME) at the University of Oxford (**United Kingdom**).
- Dr. Jonathan Tomkin (Atmospheric Sciences) visited the University of Newcastle, **Australia**, as a Visiting Academic.
- Prof. Laura Davies Brenier (Slavic Languages and Literatures) visited Bautzen, **Germany**, for research on the Sorbian language, which is in danger of dormancy. She met with linguists, librarians, and archivists at the Serbski Institut and with museum staff at the Sorbian Cultural House and the Sorbian Museum. She also met with the principal operator and administrator of the Sorbian Publication House.
- Prof. Valeria Sobol (Slavic Languages and Literatures) helped to organize the Illinois Global Institute symposium "Away from the Empire: The Linguistic and Cultural Shift in **Ukraine** in the Wake of the Russian Invasion," which included talks by Canadian and Ukrainian scholars and public intellectuals.
- Dr. Kimberly Rios (Psychology) attended a workshop on listening and human flourishing at the University of Haifa (**Israel**) in November 2022, organized by collaborator Guy Itzchakov. Dr. Rios also hosted a visit by Mark Aveyard, a collaborator from the American University of Sharjah.



- Dr. Victor Cervantes (Psychology) has been collaborating with **Colombia's** educational assessment institute on the differential item functioning detection procedures used in their national assessments.
- Dr. Florin Dolcos (Psychology) is involved in a collaboration with the University of Bucharest's Psychology Department (**Romania**), helping them develop a program in Cognitive Science. Activities included lectures and presentations and discussions of possible research projects.
- Dr. Kara Federmeier (Psychology) has an ongoing collaboration with a group at the University of Birmingham's Drs. Ole Jensen, Steven Frisson, and Yali Pan (**United Kingdom**), using rapid invisible frequency tagging combined with MEG to study reading. This past year, the group submitted a paper for publication, developed a follow-up experiment, and submitted two joint grant proposals. Dr. Federmeier is also collaborating with Dr. Chia-lin Lee's group at National Taiwan University (**Taiwan**), studying ambiguity resolution processes cross-linguistically. A paper was submitted for publication and developed follow-up studies. The collaboration is supported by the Chiang Ching-kuo Foundation.
- Dr. John Hummel (Psychology) has been collaborating with Jeff Bowers at the University of Bristol in **England** as well as with Alex Dumas at the University of Bristol.
- Dr. Jake Hinman (Psychology) has been collaborating with Rob Rozeske in the Department of Psychology at the University of Toronto, **Canada**. Together, they designed a study sharing data collection and analyzing responsibilities. A paper is currently being prepared.
- Dr. Lili Sahakyan (Psychology) established new collaborations at University of Cambridge and University of Newcastle (**England**), University of Zurich (**Switzerland**), University of Paris (**France**), and University of Leuven (**Belgium**). These collaborations have resulted in several research talks and public lectures in England and Zurich.
- Dr. Thomas Kwapil (Psychology) has actively collaborated with Prof. Neus Barrantes-Vidal at the Universitat Autònoma de Barcelona (**Spain**) on studies of schizotypy and the psychosis spectrum.
- Dr. Sepideh Sadaghiani (Psychology) has multiple ongoing collaborations that 1) includes collaborators in the **United Kingdom** and **France**, which resulted in a manuscript currently under revision and 2) a published paper with another U.K. colleague.
- Dr. Cindy Fisher (Psychology) has an ongoing collaboration that involves Dr. Naomi Havron, Senior Lecturer at the School of Psychological Sciences at the University of Haifa (**Israel**), as well as other collaborators in the United States. This work involves studying syntactic adaptation and word learning in infants and toddlers, building on a line of work that was begun by Dr. Havron.
- Dr. Gary Dell (Psychology) has been involved in a grant with a group from **Australia** (Perth and Sydney) and **Germany** (Bielefeld) investigating bilingual aphasia.
- A faculty member in the Department of French and Italian holds National Science Foundation grants with a topic on AI that has global significance. The project involves experts from universities in Europe and North America. Other faculty members in the Humanities are parts of transatlantic research networks with colleagues in France and Italy on a wide range of topics from early modern cultures and arts to contemporary francophone cultures and media.

## Partnerships & Visits Continued

- The Rhetoric Program in the English Department participates in the ZJU-UIUC Partnership in Haining, **China**. The department provide four visiting Rhetoric faculty members per year to teach twelve Rhetoric 101 and 102 classes (approximately 220 students) per year to Chinese undergraduates earning joint degrees at Zhejiang University and UIUC in engineering. Dr. Ryan Flanagan has taken the lead in printing programmatic textbook for students to access on campus, and is piloting a student newspaper for Fall 2023. Dr. John MacLean has taken over training of undergraduate writing assistants (upper-level students who assist with writing development in Rhetoric classes) from Dr. Marilyn Holguin and developed structures for collaboration and reporting. Dr. Mary Hays has taken on mentoring of Rhetoric faculty new to Haining and is documenting knowledge about travel and processes for future faculty. Moving forward, Director Erik McDuffie is collaborating with ZJUI Deans to hire on-site Rhetoric faculty to make the partnership more sustainable long-term.
- Professor Brian Gaines (Political Science) took part in an Academic Exchange visit to **Israel** in the summer of 2023. It is a privately funded program to give academics first-hand views of **Israel**, with an impressive and diverse array of speakers and experiences.
- Professor Kostas Kourtikakis (Political Science) was visiting research scholar in the **United Kingdom**, and he worked on two research projects with an international focus.
- Professor Matt Winters (Political Science) collaborated with colleagues at the University of Essex (**United Kingdom**) and the University of Geneva (**Switzerland**) on a project about women's land rights in Uganda. Prof. Winters also collaborated with colleagues at Waseda University (Japan) and the University of Niigata Prefecture (**Japan**) as well as a colleague at UC-Davis on several papers about foreign aid using data from **Indonesia, Myanmar, Nepal, and Japan**. One paper from this collaboration was published in World Development this year. Futhermore, Prof. Winters collaborated with a colleague from the Pontificia Universidad Católica de **Chile** on a paper about vaccine diplomacy during the COVID-19 pandemic.
- Prof. Jenny Druhan (Geology) visited the Institut de Physique du Globe de Paris in **France** in March 2023 and will welcome Dr. Julien Bouchez (from the same institute) is coming to UIUC as a Miller Visiting Scholar through an award from the Center for Advanced Study in September and November.
- Prof. Gary Parker (Geology) engaged in several visits. First Prof. Parker was the MTA Distinguished Fellow, Hungarian Academy of Sciences, Budapest University of Technology and Economics, **Hungary**. Prof. Parker then headed to Torino, **Italy**, Torino Polytechnical University, to teach a short course on river morphodynamics. Prof. Parker then attended and presented at the European Geophysical Union Conference in Vienna, **Austria**, followed by visit to University of Genova, **Italy**. Finally, Prof. Parker visited Tsinghua University in Beijing, **China**.
- Prof. Scott E. Denmark (Chemistry) have a long-standing relationship with at Hoffmann–La Roche in Basel, **Switzerland**. Through that connection, a collaborative project has been initiated to apply their expertise in using machine learning and chemoinformatics to develop an algorithm which predicts the yields and reaction conditions for one of the most important methods used in the pharmaceutical industry. This collaboration was extremely successful and a publication disclosing the results will appear shortly in the journal *Science*.

- Prof. Martin Gruebele (Chemistry) is on the advisory board of Elettra Sincrotrone, the Italian Synchrotron research facility in Trieste, **Italy** (2022-present). Prof. Gruebele has provided reviews and advice to international funding and prize organizations in **Sweden, Japan, Switzerland**, and others. Prof. Gruebele visited and collaborated with various international research groups, including Prof. Martina Havenith's group at Bochum University in **Germany**. Finally, Prof. Gruebele reviewed tenure cases for faculty at international institutions.
- Prof. Mei Shen (Chemistry) and Prof. Joaquín Rodríguez-López (Chemistry) organized an international conference on Scanning Electrochemical Microscopy and two other professors from Canada and the conference will be held in Montreal, **Canada** this Fall. Speakers include experts from all over the world (Poland, China, Japan, England, Germany, France, Italy, USA, etc. ).
- Prof. Jonathan Sweedler (Chemistry) collaborated with J.P. Mothet (CNRS – ENS Paris Saclay, **France**), P. Andrén & I. Lanekoff (Uppsala U., **Sweden**), C. Gruber (Medical University of Vienna, **Austria**), N. Fujii (Kyoto U., **Japan**), K. Hamase (Taipei Medical U., **Taiwan**), A. Usiello (CEINGE, **Italy**), H. Homma (Kitasato U., **Japan**), J. Jing (Nanjing U., **China**), D. Murphy (U. of Bristol, **England**). Each collaboration has resulted in scientific publications and presentations. Prof. Sweedler also serves as Editor of the American Chemical Society Journal Analytical Chemistry with dedicated efforts to increasing international submissions, including from **Brazil, China, Columbia, Costa Rica, South Korea, and India**, among others. The publication receives around 6000 manuscripts per year, publishes 1600, and has the highest impact factor of any journal in the field.
- Prof. John Katzenellenbogen (Chemistry) collaborated with several partners around the world:
  - » Prof. Jean Francois Arnal from the INSERM U1048 and University of Toulouse Medical School in **France**. Research focus is the mechanisms of estrogen receptor action in vascular and reproductive tissues using selective hormone analogs.
  - » Prof. Jian Min from the College of Life Sciences, Hubei University, in Wuhan, **China**. Research focus is the synthesis of antiestrogens of unusual structure that function by novel mechanisms.
  - » Prof. Nicolas Turner from the Imperial Cancer Research Center in London, **England**. Research focus is the molecular modeling to understand how mutations that activate the estrogen receptor can lead to endocrine therapy resistance in breast cancer.
  - » Dr. Rene Houtman, VP Research at the Precision Medicine Lab in Oss, **The Netherlands**. Research focus is profiling protein interaction patterns of estrogen receptor complexes with estrogens of unusual structure.
  - » Prof. Christel Pequeux from the University of Liege in Liege, **Belgium**. Research focus is the binding kinetics of various estrogens to the estrogen receptor.

## Publications

- Althaus, Scott, Buddy Peyton, and Dan Shalmon. 2022. "A Total Error Approach for Validating Event Data." *American Behavioral Scientist*. 66(5):603-624.
- Althaus, Scott. 2022. "Report on Terrorism Responsibly." In *Fixing American Politics: Civic Priorities for the Media Age*, ed. Roderick Hart. Philadelphia: Routledge. Chapter.
- Alvarado, N. Under Review. "Urban Infrastructures and Migrant Citizenships: Notes Towards Actually Existing Migrant-State Relations in the Urban Peripheries," *Environment and Planning C: Politics and Space*.



## Publications Continued

- Alvarado, N., and Vèglio, S. “Rethinking the Multiplicity of Urban Infrastructure,” Special Issue Forthcoming in *Urban Matters* with authors across the globe.
- Andrew Owsiak, J. Michael Grieg, and Paul Diehl. *International Conflict and Conflict Management*. (London: Routledge, 2023).
- Beghein, C., Li, J., Weidner, E., Maguire, R., Wookey, J., Lekic, V., Lognonne, P. and Banerdt, W., (2022). Crustal Anisotropy in the Martian lowlands from surface waves. *Geophysical Research Letters*, 49(24), p.e2022GL101508.
- Bleidorn, W. Schwaba, T., Zheng, A.\*, Hopwood, C. J., Sosa, S. S.\*, Roberts, B. W., & Briley, D. A. (2022). Personality stability and change: A meta-analysis of longitudinal studies. *Psychological Bulletin*, 148, 588-619.
- Bobeica, S.C.; Dong, S.-H.; Huo, L.; 1, Mazo, N.; McLaughlin, M.I.; Jiménez-Osés, G.; Nair, S.K.\*; van der Donk, W.A.\* “Insights into AMS/PCAT Transporters from Biochemical and Structural Characterization of a Double Glycine Motif Protease” *eLife*, 2019; 8, e42305. PMID: PMC6363468.
- Bothwell, I.R.: Caetano, T.; Sarkisian, R.; Mendo, S.\*; van der Donk, W.A.\* “Structural Analysis of Class I Lanthipeptides from *Pedobacter lusitanus* NL19 Reveals Unusual Ring Topology” *ACS Chem. Biol.*, 2021, 16,1019-1029. PMID: PMC9845027.
- Bowers, J. S., Malhotra, G., Dujmovic, M., Montero, M. L., Tsvetlov, C., Biscione, V., Puebla, G., Adolphi, F., Hummel, J. E., Heaton, R. F., Evans, B. D., Mitchell, J., & Blything, R. (in press). Deep problems with neural network models of human vision. *Behavioral and Brain Sciences*. <https://www.doi.org/10.1017/S0140525X22002813>
- Bush, M.B, Conrad, S., Restrepo, A., Thompson, D.M., Lofverstrom, M., Conroy, J.L. Human-induced ecological cascades: extinction, restoration, and rewilding in the Galápagos highlands. 2022. *Proceedings of the National Academy of Sciences*, 119(24): e2203752119.
- Butcher, S. Forthcoming. “Encountering non-metropolitan marxism” and “Gauteng A-Z: Navigating the City”. In Sophie Oldfield, Clive Barnett and Anna Selmeczi (eds) *Knowing the City: from apartheid to democracy*. UKZN Press: Durban. [Outcome of South African urbanist project, published by South African academic press]
- Butcher, S. Forthcoming. “Making land ‘developable’ for market-driven affordable housing in Gauteng, **South Africa**”. In Margot Rubin, Sarah Charlton & Neil Klug (eds) *Housing in African cities*. Springer. [South African editorial team; contributors from all over the African continent and elsewhere]
- Byrd, J., Cacho, L. Koshy, S., and Jefferson, B. (eds). 2022. *Colonial Racial Capitalism*. Durham: Duke Press.
- Chen, M., Conroy, J.L., Geyman, E.C., Sanford, R., Chee-Sanford, J.C., Connor, L.M., 2022. Stable carbon isotope values of syndepositional carbonate spherules and micrite record spatial and temporal changes in photosynthesis intensity, *Geobiology*, 20(5): 667-689.
- Chen, M., Conroy, J.L., Sanford, R., 1Wyman, D.A., Chee-Sanford, J.C., Connor, L.M. 2023. Tropical lacustrine sediment microbial community response to an extreme El Niño event, *Scientific Reports* 13, 6868.

- Chung-hong Chan, Hartmut Wessler, Marc Jungblut, Kasper Welbers, Scott Althaus, Joseph Bajjalieh, Wouter van Atteveldt. Forthcoming. “Challenging the global cultural conflict narrative: An automated content analysis on how perpetrator identity shapes worldwide news coverage of Islamist and right-wing terror attacks.” *International Journal of Press/Politics*.
- Cohen, D., Seo, M., & Lawless, R. M. (2023). Institutional Inversion and “Demand-Side” Versus “Supply-Side” Views of Culture. *Current Directions in Psychological Science*, 32(2), 131-136. Summarized work explaining why countries with the most anti-debt attitudes end up with the least government debt defaults but the greatest amount of household debt.
- Conroy, J.L., 1Murray, N. K., 2Patterson, G.S., Schore, A.I.G., 2Ikuru, I., Cole, J.E., Chillagana, D., Echeverria, F. 2023. Equatorial Undercurrent influence on seawater d18O values in the Galápagos. *Geophysical Research Letters*. 50, e2022GL102074.
- Dee, S. G., A. Bailey, J.L Conroy, A. Atwood, S. Stevenson, J. Nusbaumer, and D. Noone. 2023. Water isotopes, climate variability, and the hydrological cycle: recent advances and new frontiers. *Environmental Research: Climate 2*.
- Dey, P., Mathai, J., M. Sivapalan and P. P. Mujumdar (2023). Climatic and landscape controls of regional streamflow variability across Peninsular India via the flow duration curve. *Hydrology and Earth System Sciences* (in review).
- Dumas, L.A.A., Puebla, G., Martin, A. E. & Hummel, J. E. (2019). Relation learning in a neurocomputational architecture supports cross-domain transfer. *Proceedings of the 41st Annual Meeting of the Cognitive Science Society*.
- Dumas, L. A. A., Puebla, G., Martin, A. E. & Hummel, J. E. (2022). A theory of relation learning and cross-domain generalization. *Psychological Review*, 129(5), 999–1041.
- Dr. Lili Sahakyan (Psychology) was invited to serve as a Guest Editor for a special issue on Active Forgetting in the *Current Opinion in Behavioral Sciences*.
- Drs. Monica Fabiani and Gabriele Gratton (Psychology) have received funding from ARC/HMRC in **Australia**, which are focused on research that is synergistic with the two NIA R01s. The PI of the Australian project is Prof. Karayanidis at the University of Newcastle, NSW. Both labs meet weekly and have produced joint publications and poster abstracts. Additionally, both individuals are working, meeting weekly, and publishing with two collaborators, Dr. Gyurcovics at the University of Glasgow (**Scotland**), and Dr. Kalamala at Jagiellonian University in Krakow, **Poland**.
- Druhan, J. L. & Benettin, P. (2023). Isotope ratio - discharge relationships of solutes derived from weathering reactions. *American Journal of Science*, 323(1).
- Fernandez, N. M., Bouchez, J., Derry, L. A., Chorover, J., Gaillardet, J., Giesbrecht, I., ... & Druhan, J. L. (2022). Resiliency of silica export signatures when low order streams are subject to storm events. *Journal of Geophysical Research: Biogeosciences*, 127(5), e2021JG006660.
- Frost GV, Macander MJ, Bhatt US, Berner L, Bjerke J, Epstein HE, Forbes B, Goetz S, Lara MJ, Magnusson RI, Phoenix G, Serbin SP, Tommervik H, Tutubalina O, Walker DA, Yang D. 2023. Tundra greenness [in “State of the Climate in 2022”]. *Bulletin of the American Meteorological Society* 104:S305–S308.
- Frost GV, Macander MJ, Bhatt US, Berner L, Bjerke J, Epstein HE, Forbes B, Goetz S, Lara MJ, Phoenix G, Serbin SP, Tommervik H, Walker DA, and Yang D. 2022. Tundra Greenness. *Arctic Report Card 2022*. M.L. Druckenmiller, R.L. Thoman, and T.A. Moon (eds).

## Publications Continued

- Frost GV, Macander MJ, Bhatt US, Berner L, Bjerke J, Epstein HE, Forbes B, Goetz S, Lara MJ, Park T, Phoenix G, Serbin SP, Tommervik H, Walker DA, and Yang D. 2022. NOAA-Arctic Report Card 2021-Tundra Greenness.
- Frost GV, Macander MJ, Bhatt US, Berner LT, Bjerke JW, Epstein HE, Forbes BC, Goetz SJ, Heijmans MMPD, Lara MJ, Magnússon RI, Park T, Phoenix GK, Pinzon JE, Serbin SP, Tømmervik H, Tucker CJ, Walker DA, and Yang D. 2022. Tundra greenness [in “State of the Climate in 2021”]. *Bulletin of the American Meteorological Society* 103:S291–S293.
- G. Blöschl and M. Sivapalan: Joint Chairs, Editorial Advisory Board. *Coevolution and Prediction of Coupled Human-Water Systems: A Socio-hydrologic Synthesis of Change in Hydrology and Society*. Edited by: F. Tian, J. Wei, M. Haefner and H. Kreibich, Cambridge University Press, 2024.
- Gary Goertz, Paul Diehl, and Andrew Owsiak “Tracking the Evolution of Conflict: Barometers for Interstate and Civil Conflict” United State Institute of Peace Discussion Paper Series 23-004. United States Institute of Peace, 2023.
- Ghoreishi, S., A. Elshorgaby, S. Razavi, G. Blöschl, M. Sivapalan and A. Abdelkader (2023). Cooperation in a transboundary river basin: a large-scale socio-hydrological model of the Eastern Nile. *Hydrology and Earth System Sciences*, Vol. 27, pp. 1201–1219.
- Gille, Zsuzsa. 2022. “The Socialocene: From Capitalocene to Transnational Waste Regimes” *Antipode*.
- Gille, Zsuzsa. 2023. “Waste history from beyond the Iron Curtain.” In *Throwaway: The History of a Modern Crisis*. Edited by Christine Dupont, Stephanie Goncalves and Emma Teworte. (Publication to accompany exhibition in Brussels, **Belgium**, February 2023). House of European History. 112-115.
- Golla, J. K., Bouchez, J., Kuessner, M. L., Rempe, D. M., & Druhan, J. L. (2022). Subsurface weathering signatures in stream chemistry during an intense storm. *Earth and Planetary Science Letters*, 595, 117773.
- Heijmans MMPD, Magnússon RI, Lara MJ, Frost GV, Myers-Smith I, Huissteden JV, Jorgenson MT, Fedorov AN, Epstein HE, Lawrence DM, Limpens J. Tundra vegetation change and impacts on permafrost. 2022. *Nature Reviews Earth & Environment*.
- Hernandez, I., Cohen, D., Gruschow, K., Nowak, A., Gelfand, M. J., & Borkowski, W. (2022). The importance of being unearnest: Opportunists and the making of culture. *Journal of personality and social psychology*, 123(2), 249. Used agent based models to understand why cultures with "tight," collectivistic social norms have low amounts of social capital.
- Huang, Q., Schmerr, N., King, S., Rivoldini A., Plesa, A., Samuel, H., Kim, D., Maguire, R., Karakostas, F., Lekic, V., Collinet, M., Myhill, R., Antonangeli, D., Drilleau, Bystricky, M., Bollinger, C., Michaut, C., Gudkova, T., Irving, J., Fernando, B., Leng, K., Nissen-Meyer, T., Bejina, F., Beghein, C., Waszek, L., Siersch, N., Scholz, J.–R., Davis, P., Lognonne, P., Pinot, B., Widmer–Schnidrig, R., Panning, M., Smrekar, S., Spohn, T., Giardini, D., Banerdt, B., (2022). Seismic detection of the martian mantle transition zone by InSight, *Proceedings of the National Academy of Sciences of USA*, 119(42), p.e2204474119.
- Hummel, J. E., & Doumas, L. A. A., (in press). Analogy and similarity. In *Cambridge Handbook of Computational Cognitive Sciences*.
- Inesi, M. E., & Rios, K. (2023). How prosocial actors use power hierarchies to build moral reputation. *Journal of Experimental Social Psychology*, 106, 104441.



- Irving, J.C.E., Lekic, V., Duran, A.C., Drilleau, M., Kim, D., Rivoldini, A., Khan, A., Samuel, H., Antonangeli, D., Banerdt, W.B., Beghein, C., Bozda, E., Ceylan, S., Charalambous, C., Clinton, J., Davis, P., Garcia, R., Giardini, D., Horleston, A., Huang, Q., Hurst, K.J., Kawamura, T., King, S., Knapmeyer, M., Li, J., Lognonne, P., Maguire, R., Panning, M.P., Plesa, A.C., Schimmel, M., Schmerr, N.C., Stahler, S., Stutzmann, E. and Z. Xu. (2023). First observations of core-transiting seismic phases on Mars. *Proceedings of the National Academy of Sciences of USA*, 120(18).
- Jefferson, B. 2022. 'Programming Colonial Racial Capitalism: Encoding Human Value in Smart Cities' in Byrd, J., Cacho, L. Koshy, S., and Jefferson, B. (eds). *Colonial Racial Capitalism*. Durham: Duke Press.
- Jefferson, B. In-press. 'Control-X: Communication, Control, and Exclusion' in Aizeki, Mizue, Mahmoudi, Matt, and Schupfer, Coline (eds). 2024. *Resisting Borders and Technologies of Violence*. New York: Haymarket Books.
- Joshua Jackson, Andrew Owsiak, Gary Goertz, and Paul Diehl. "Getting to the Root of the Issue(s): Expanding the Study of Issues in MIDs" *Journal of Conflict Resolution*, 66, 7-8 (2022): 1514-1542.
- Kasper Welbers, Wouter van Atteveldt, Joseph Bajjalieh, Dan Shalmon, Pradnyesh Vineet Joshi, Scott Althaus, Chung-hong Chan, Hartmut Wessler, and Marc Jungblut. 2022. "Linking Event Archives to News: A Computational Method for Analyzing the Gatekeeping Process." *Communication Methods and Measures*. 16(1): 59-78.
- Kim, D., Banerdt, W.B., Ceylan, S., Giardini, D., Lekic, V., Lognonne, P., Beghein, C., Beucler, E, Carrasco, S., Charalambous, C., Clinton, J., Drilleau, M., Duran, C., Golombek, M., Joshi, R., Khan, A., Knapmeyer Endrun, B., Li, J., Maguire, R., Pike, W.T., Samuel, H., Schimmel, M., Schmerr, N.C., Stahler, S.C., Stutzmann, E., Wieczorek, M., Xu., Z., Batov, A., Bozdog, E., Dahmen, N., Davis, P., Gudkova, T., Horleston, A., Huang, Q., Kawamura, T., King, S.D., Mclennan, S.M., Nimmo, F., Plasman, M., Plesa, A.C., Stepanova, I.E., Weidner, E., Zenhausern, G., Daubar, I.J., Fernando, B., Garcia, R.F., Posiolova, L.V., and Panning, M. (2022). Surface waves and crustal structure on Mars. *Science*, 378(6618), 417-421.
- Kim, D., Stahler, S.C., Ceylan, S., Lekic, V., Maguire, R., Zenhausern, G., Clinton, J., Giardini, D., Khan, A., Panning, M.P. and Davis, P., (2022). Structure Along the Martian Dichotomy Constrained by Rayleigh and Love Waves and their Overtones. *Geophysical Research Letters*, p.e2022GL101666.
- King, M. J., Courtenay, K., Christensen, B. K., Benjamin, A. S., & Girard, T. A. (2023). Lower memory specificity in individuals with dysphoria is not specific to autobiographical memory. *Journal of Affective Disorders*, 325, 542-549.
- King, M. J., Girard, T. A., Benjamin, A. S., & Christensen, B. K. (2023). Strategic regulation of memory in dysphoria: a quantity-accuracy profile analysis. *Memory*, 1-14.
- Kulisch, L. K., Arumäe, K., Briley, D. A., Vainik, U. (2023). Triangulating causality between childhood obesity and neurobehavior: Twin and longitudinal evidence. *Developmental Science*. (Collaboration with Estonian researchers.)
- Kumar, A., Benjamin, A. S., Heathcote, A., & Steyvers, M. (2022). Comparing models of learning and relearning in large-scale cognitive training data sets. *Science of Learning*, 7(1), 24.
- Lai, K.-Y.; Galan, S.R.G.; Zeng, Y.; He, C.; Riedl, J.; Raj, R.; Chooi, K.P.; Garg, N.; Jones, L.H.; Hutchings, G.J.; Mohammed, S.; Nair, S.K.; Chen, J.\*; Davis, B.G.\*; van der Donk, W.A.\* "LanCLs Add Glutathione to Dehydroamino Acids Generated at Phosphorylated Sites in the Proteome" *Cell* 2021, 184, 2680-2695. PMID: PMC8209957.

## Publications Continued

- Le, T.; Fouque, K.J.D.; Santos-Fernandez, M.; Navo, C.D.; Jiménez-Osés, G.; Sarkisian, R.; Fernandez-Lima, F.\*; van der Donk, W.\* “Substrate Sequence Controls Regioselectivity of Lanthionine Formation by ProcM” *J. Am. Chem. Soc.*, 2021, 143, 18733-18743. PMID: PMC8942616.
- Li, Bin, Yi Zheng, G. Di Baldassarre, Peng Xu, S. Pande and M. Sivapalan (2023). Groundwater vulnerability in a megacity under climate and economic changes: A coupled socio-hydro-economic analysis. *Water Resources Research* (in press).
- Li, X., Tian, J., Li, X., Wang, L., Gong, H., Shi, C., Nie, S., Zhu, L., Chen, B., Pan, Y., He, J., Ni, R., and C. Diao. (2022). Developing a sub-meter phenological spectral feature for mapping Poplars and Willows in urban environment. *ISPRS Journal of Photogrammetry and Remote Sensing*, 193, 77-89.
- Liang, H.; Lopez, I.J.; Sánchez-Hidalgo, M.; Genilloud, O.; van der Donk, W.A.\* “Mechanistic Studies on Dehydration in Class V Lanthipeptides” *ACS Chem. Biol.*, 2022, 17, 2519-2527. PMID: PMC9486802.
- Maguire, R., Lekic, V., Kim, D., Schmerr, N., Li, J., Beghein, C., Huang, Q., Irving, J.C.E., Karakostas, F., Lognonne, P., Stahler, S.C. and Banerdt, W.B. (2023). Focal Mechanism Determination of Event S1222a and Implications for Tectonics Near the Dichotomy Boundary in Southern Elysium Planitia, Mars, *Journal of Geophysical Research Planets* (In Press).
- Malhotra, G., Dujmović, M., Hummel, J. & Bowers, J. S. (in press). Human shape representations are not an emergent property of learning to classify objects. *Journal of Experimental Psychology: General*.
- Mazo, N.; Rahman, I.R.; Navo, C.D.; Peregrina, J.M.; Busto, J.H.; van der Donk, W.A.; Jiménez-Osés, G.\* “Synthesis of Fluorescent Lanthipeptide Cytolysin S Analogs by Late-Stage Sulfamidate Ring-Opening” *Org. Lett.*, 2023, 25, 1431-1435. PMID: PMC10012263.
- McLaughlin, M.I.; Pallitsch, K.; Wallner, G.; van der Donk, W.A.\*; Hammerschmidt, F.\* “Overall Retention of Methyl Stereochemistry During B12-Dependent Radical SAM Methyl Transfer in Fosfomycin Biosynthesis” *Biochemistry*, 2021, 60, 1587-1596. PMID: PMC8158854
- McLaughlin, M.I.; Pallitsch, K.; Wallner, G.; van der Donk, W.A.\*; Hammerschmidt, F.\* “Overall Retention of Methyl Stereochemistry During B12-Dependent Radical SAM Methyl Transfer in Fosfomycin Biosynthesis” *Biochemistry*, 2021, 60, 1587-1596. PMID: PMC8158854.
- Medeiros, P., Xi Chen, C. Cudennec, M. Ghoreishi, T. Gunda, Suxia Liu, L. Marston, J. O’Keeffe, J. I. González Piedra, M. Roobavannan, M. Sivapalan, P. van Oel, G. Vico, Y. C. E. Yang and S. Zipper (2024). Agricultural Human-Water Systems, Chapter 8 in: *Coevolution and Prediction of Coupled Human-Water Systems* (Fuqiang Tian et al., Editors), Cambridge University Press (in review).
- Meira Neto, A. A., P. H. A. Medeiros, J. C. de Araujo, B. Pereira and M. Sivapalan (2023). Spatial-temporal patterns of drought propagation and water security through 100 years of reservoir expansion in Northeast **Brazil**. In preparation, to be submitted to *Water Resources Research*.
- Murray, N.K., Muñoz, A.R., Conroy, J.L., 2023. Machine learning solutions to regional surface ocean  $\delta^{18}O$  - salinity relationships for paleoclimatic reconstruction. *Paleoclimatology and Paleoceanography*. Accepted.
- Paul Diehl and Oliver Richmond. “The Changing Face(s) of Peace Operations: Critical and Behavioral Paths for Future Research” *Journal of International Peacekeeping*, 25, 2 (2022): 205-235.
- Paul Diehl, Andrew Owsiak, and Gary Goertz. “Managing the Dual Faces of International - Civil Militarized Conflict (I-CMC): The Interstate Dimension.” *Global Studies Quarterly*, 2, 3 (2022): 1-11.

- Paul Diehl, Daniel Druckman, and Grace Mueller. “Can UN Peacekeepers Walk and Chew Gum at the Same Time?” *Multilateralism in Action*, Columbia University/SPIA, 2023.
- Paul Diehl, Daniel Druckman, and Grace Mueller. *When Peacekeeping Missions Collide: Balancing Multiple Roles in Peace Operations*. (New York: Oxford University Press, 2023, in press)
- Paul Diehl. “Breaking the Conflict Trap: The Impact on Peacekeeping on Violence and Democratization in the Post-Conflict Context.” in *What Do We Know About Civil War? 2nd edition*, ed. by Sara Mitchell and David Mason. (Lanham, MD: Rowman and Littlefield, 2023), pp. 135-152.
- Paul Diehl. “State of the Art of Research on Peacekeeping” in *Handbook on Peacekeeping and International Relations* ed. by Han Dorussen. Cheltenham, United Kingdom: Edward Elgar Publishing, 2022), pp. 360-372.
- Paul; Diehl, Andrew Owsiak, Gary Goertz, and Luis Schenoni. “Political Shocks and the Punctuated Equilibrium Model: Applications to the Evolution of Norms in the Americas” in *Shocks and Political Change: A Comparative Perspective on Foreign Policy Analysis* ed. by William Thompson and Thomas Volgy. (Singapore: Springer Nature, 2023), pp. 39-61.
- Portnoy, Stephen, and Yossi Haimberg. "Using Canonical Quantile Regression to predict company performance: better prediction than using CEO compensation." *Econometrics and Statistics* (2022).
- Prof. Bruce Fouke (Geology) published a hybrid textbook entitled *The Art of Yellowstone Science - Mammoth Hot Springs as a Window on the Universe* that was downloaded at no cost on the NASA Astrobiology Institute website.
- Professor Rana Khoury (Political Science) had a globally focused publication on migration and displacement in a volume on Middle East political science.
- Savitzky, S. and Cidell, J. 2022. Whose streets? The backlash to US highway protests and the weaponization of automobility. *Antipode* DOI: 10.1111/anti.12818. (Co-author from the **United Kingdom**.)
- Schwarze, T. and D. Wilson, 2023. “Silencing, Urban Growth Machines, and the Obama Presidential Center on Chicago’s South Side,” *Frontiers in Sustainable Cities*, 1, 2, 36-51.
- Spanish and French Editions of our globally focused statistics teaching textbook were released in 2022. One of the collaborators (Maarten Voors) works at Wageningen University in The Netherlands.
- Spielmann, J., Feng, S., Briley, D. A., & Stern, C. (2022). Mental health contributors among transgender people in a non-WEIRD society. *Social and Personality Psychological Science*, 13, 747-757. (Collaboration with Chinese researchers using a Chinese sample of gender minority participants.)
- Sriskandarajah, N. and M. Sivapalan (2023). Water security, participatory governance, and dialogue spaces for change in Northern **Sri Lanka**. *World Water Policy*, 9(3), 405–413.
- Sung Eun Kim, Adrian Shin, and Yujeong YAng "Severing the Belt and Road: Overseas Chinese Networks and COVID-19 Travel Restrictions." *Foreign Policy Analysis* 19. no.~2 (2023): 1-20.
- Sung Eun Kim, Adrian Shin, and Yujeong Yang. *The Usual Suspects?: Attitudes toward Immigration during the COVID-19 Pandemic*. *Journal of Asian Public Policy*. (2022):
- Thompson, D.M., Conroy, J.L., Stevenson, S., DeLong, K., Konecky, B., Dassié, E. 2022. Salinity information in coral  $\delta^{18}\text{O}$  records. *Geophysical Research Letters*.

## Publications Continued

- Wessler, Hartmut, Scott Althaus, Chung-hong Chan, Marc Jungblut, Kasper Welbers, and Wouter van Atteveldt. 2022. "Multiperspectival Normative Assessment: The Case of Mediated Reactions to Terrorism." *Communication Theory*. 32(3): 363-386.
- Wilson, D. and A Jonas, 2022. "The People as Infrastructure Concept: Appraisal and New Directions," *Urban Geography*, 36, 1, 12-21.
- Wilson, D. and E Wyly, 2023. "Dracula Urbanism and Smart Cities: A Response to Our Critics," *Dialogues in Urban Research*, in press, online first.
- Wilson, D. and E. Wyly, 2023. "Toward a Dracula Urbanism: Smart City Building in Flint and Jakarta," *Dialogues in Urban Research*, in press, online first.
- Wolfsfeld, Gadi, Tamir Sheafer, and Scott Althaus. 2022. *Building Theory in Political Communication: The Politics-Media-Politics Approach*. Oxford University Press. (Awarded a 2023 Hazel Gaudet-Erskine Best Book Award by the International Journal of Press/Politics.)
- Wu, Shuanglei, Yongping Wei, Jing Wei, Gen Li, and M. Sivapalan (2023) Unfolding the complexity in water reallocation decision-making in the Heihe River Basin, China. *International Journal of Water Resources Development*, Vol. 39(4), pp. 576-594.
- Wyly, E. and D. Wilson, 2024. "Reflections on Dracula-it is as Knowledge Production," *Dialogues in Urban Research*, in press.
- Yujeong Yang Bring Your Own Workers: Chinese OFDI, Chinese overseas workers, and collective labor rights in Africa} *World Development*. no.~152 (2022).
- Yujeong Yang. Out of "Site", Out of Mind?: Politics of Land Compensation for Chinese Rural Migrants}'. *Studies in Comparative International Development* 57, no. 2 (2022): 271–301.
- Zhang Q, Zhang X, Lara MJ, Li Z, Xiao J. 2023. Interactions between abiotic and biotic factors control tundra productivity near Utqiagvik, Alaska. *Environmental Research Letters*.
- Zheng, A., Hoff, K., Hana, A., Einarsdóttir, S., Rounds, J., & Briley, D. A. (in press). Job characteristics and personality change in young adulthood: Two 12-year longitudinal studies. *Journal of Personality*. (Collaboration with Icelandic researchers using two Icelandic samples).





## COLLEGE OF MEDIA



### Events & Lectures

- Dr. Melita Garza served as moderator for 32nd Annual Mortenson Distinguished Lecture featuring Mike Thomson, BBC World Affairs Correspondent, Presenter, and Author of **Syria's Secret Library** (2019), held at School of Information Sciences and online.
- Dr. Margaret Ng (Journalism) gave an invited lecture at 10th United Nations interagency informal dialogue on disinformation and data transparency, United Nations (2022, Jul.)
- Dr. Margaret Ng (Journalism) presented papers on Global web use remains highly regional even in the age of platform giants at IC2S2: 8th International Conference on Computational Social Science, 2023, Chicago, IL.; Down the Rabbit Hole or Into the Mainstream? Examining YouTube's Recommendation System in the Context of COVID-19 Vaccines at the International Communication Association for its annual conference, 2023, Toronto, **Canada**.
- Professor Stretch Ledford (Journalism) was a panelist at Brown Bag Conversation: "News, Stories & Information in the Peacebuilding Process" at the University with BBC World Affairs Correspondent Mike Thomson and documentary filmmaker Jane Ray at the 32nd Annual Mortenson Distinguished Lecture on September 21.
- Professor Brant Houston (Journalism) was a keynote speaker at Annual **Ukrainian** Investigative Reporting Conference and Annual **Norway** Data Journalism Conference, 2022.

### Research Collaborations

- Dr. Sang-Hwa Oh in the Charles H. Sandage Department of Advertising is working with scholars working at universities in **South Korea** (e.g., Seoul National University, Incheon National University). Dr. Oh is also a member of an international research group, ComAce.
- Dr. Mike Yao (Advertising) is a co-PI on a recently awarded major research grant, in collaboration with a team from the School of Design at **Hong Kong** Polytechnic University. The project is titled "Immersive Virtual Reality-Based Construction Safety Training Focusing on Safety-Related Social Aspects." It is funded by the General Research Fund (GRF) under the auspices of Hong Kong's University Grants Committee, which is akin to the NSF in the United States.

## Research Collaborations Continued

- Dr. Ewa Maslowska (Advertising) is engaged research with multiple partners in Europe:
  - » Three research projects on digital data collections, the role of VR in pro-environmental behaviors, health communication that include faculty from University of Amsterdam (**Netherlands**).
  - » One research project on misinformation correction that includes researchers and students from University of Kaiserslautern-Landau (**Germany**).
  - » One research project on attention to social media that includes researchers and students from Weizenbaum Institute for the Networked Society (**Germany**).
  - » One research project on personality prediction that includes researchers from University of Zagreb (**Croatia**).
- Dr. Michelle Nelson (Advertising) is collaborating with colleagues at the University of Ghent (**Belgium**) on a shared grant from the European Advertising Academy related to children and advertising literacy.
- Dr. Margaret Ng (Journalism) worked on a variety of projects, such as applying machine learning and data analysis techniques to study misinformation on YouTube and hate speech on African radio stations as Research Associate for the United Nations Global Pulse (An innovation initiative of the UN Secretary- General to harness big data and emerging communication technologies for sustainable development and humanitarian action). Dr. Ng was also awarded \$29,175 by Campus Research Board for the project: The Rise and Fall of Messaging Platforms: The Poetics, Politics, and Perils of Internet Histories in the Greater **China** Region.
- Professor Stretch Ledford (Journalism) received \$6,500 seed grant through the Birmingham-Illinois Partnership for Discovery, Engagement and Education (BRIDGE) program for the project From Shame to Celebration: A Reframing of the Global Culture of Menstruation.

## Partnerships & Visits

- Dr. Ewa Maslowska (Advertising) the Computational Advertising Knowledge Exchange initiative is run in collaboration with a faculty member at the University of Amsterdam.
- The Department of Advertising currently has agreements with Xiamen University and Communication University of China (both in **China**) and are also in the process of renewing a 3+2 agreement with Peking University.
- The Department of Advertising is in conversation right now with the College of Communication, University of Indonesia about exploring a 3+2 program and other international partnerships.
- Professor Brant Houston (Journalism) is Co-Founder and Chair, Board of Directors, of the Global Investigative Journalism Network, a consortium of nearly 200 non-profit United States and international investigative journalism organizations that hold global conferences and operate Web and social media sites. Co-founded in 2003. Became organization's first Board Chair in 2014.

## Publications

- Dr. Margaret Ng (Journalism) published 1) A cross-national study of fear appeal messages in YouTube trending videos about COVID-19. American Behavioral Scientist. 2) with Taneja, H. (2023). Web use remains highly regional even in the age of global platform monopolies. PLOS ONE, 18, e0278594.





Interprofessional Rural Crisis Simulation

## SCHOOL OF SOCIAL WORK



### Events & Lectures

- Andrade, F. C. D., Xia Yu, S. (2022, November). Chronic back pain, limitations on usual activities and treatment among older Brazilians. [Poster presentation]. 2022 Gerontological Society of America, Indianapolis, IN.
- Andrade, F. C. D., Xia Yu, S. (2022, November). Unmet needs among adults and older adults in **Brazil**, ELSI-2019. [Paper presentation]. 2022 Gerontological Society of America, Indianapolis, IN.
- Andrade, F. C. D., Xia Yu, S. (2022, October). A biopsychosocial examination of chronic back pain, limitations on usual activities, and treatment in Brazil, 2019. [Paper presentation]. VI Portuguese Conference of Demography. Lisbon, **Portugal**. Virtual.
- Andrade, F. C. D., Xia Yu, S. (2022, October). Disability met needs for older adults in Brazil, ELSI-2019. [Paper presentation]. VI Portuguese Conference of Demography. Lisbon, Portugal. Virtual.
- Andrade, F. C. D., Xia Yu, S. (2023, April). Needs and Care of Older Adults With Disabilities in **Brazil**, 2019–2021. [Paper presentation]. 2023 Population Association of America, New Orleans, LA.
- Andrade, F. C. D., Xia Yu, S., Kang, S., Muzhylko, T. (2023, April). Doctor Recommendations and Healthy Lifestyle Behaviors Among Adults With Hypertension in **Brazil**. [Paper presentation]. 2023 Population Association of America, New Orleans, LA.
- Dr. Flavia Andrade is the Associate Director, Lemann Center for Brazilian Studies. She has: hosted and organized the International Conference on Aging in the Americas in Chicago with approximately 150 participants from United States and **Mexico**.
- Fernandes, L. V., Oliveira, G. B., Vasques, A. C. J., Andrade, F. C. D., Xia Yu, S. Corona, L. P. (2022, November). Ultrasound muscle thickness as an easy method to assess lean mass and grip strength in older adults. [Poster presentation]. 2022 Gerontological Society of America, Indianapolis, IN.
- The School of Social Work hosted a virtual workshops with foreign expert lecturers for students and faculty on Global Aging and Digital Governance, Beijing University of Chemical Technology, Beijing, **China**.

## Research Collaborations

- r. Ben Lough led a team of three faculty members at the School of Social Work (SSW), University of Illinois Urbana-Champaign, which included Drs. Tara Powell and Moses Okumu. Their project involved assisting the United States Agency for International Development (USAID) in developing a global mental health policy while also creating a template for other international organizations working in the field of global mental health in low- and middle-income countries.
- Dr. Tara Earls Larrison has been working with a team of international social work educator-researchers to explore the use of creative journaling as a pedagogical tool for transformative learning and professional socialization. Eight countries have participated in this research (**Canada, India, Israel, Jersey Island, Spain, Sweden, United Kingdom** and USA). There are two manuscripts in process.
- Dr. Okumu, in collaboration with researchers from the University of North Carolina at Chapel Hill and the Center for Social Development at Washington University in St. Louis, are adapting and expanding a financial capability intervention to help at-risk youth and labor trafficking survivors, as part of a University of Georgia-led grant. The field team, in close coordination with in-country project coordinators, visited three cities and towns in **Malawi** over seven days and one municipality in **Zambia** for four days. A total of 11 meetings were held in **Malawi** and 13 in **Zambia**.
- Dr. Okumu, is a Principal Investigator of a CRB-funded grant aimed at understanding resilience and digital resources necessary for promoting sexual health equity of transient populations living by the **Uganda/Kenya** border. He visited Busia border town to meet with various stakeholders, including district leaders, health officials, the youth advisory board, and local HIV agencies, with the aim of jointly developing research tools and protocols for the Twendee study in Busia. Dr. Okumu dedicated some time to training research assistants in Community-Based Participatory Research (CBPR) during his trip. He also concluded the journey by submitting the final ethics application.
- Dr. Okumu (co-Investigator) in collaboration with the University of Toronto (**Canada**), refugee-led organizations, and Ugandan government agencies and researchers are contextualizing and implementing multiple interventions in with refugee youth including: 1) testing a virtual reality intervention to increase mental health literacy and reduce mental health disparities among urban refugees, 2) finalizing the testing of edu-tainment intervention to promote HIV prevention cascades among settlement-based interventions. Currently, Dr. Okumu is a co-investigator on three interventions that are in the first phase of engaging partners and co-creating the interventions: 1) conducting walk-along interviews with refugees and key informants to understand spatial determinants of climate change and sexual health of settlement-based refugees in Uganda; 2) building the capacity of peer navigators and co-designing workshops for the syndemic-based interventions to be tested among urban refugee youth in Kampala (**Uganda**), and 3) stakeholder engagement to finalize the study protocol to used in understanding the effects of climate change on HIV treatment and care for youth living with HIV in Kampala (**Uganda**).
- In consultation with a team of international scholars developing financial capability education in several countries for more than 10 years, Dr. Okumu is a PI of a study developing a gender-transformative digital financial capability framework that can guide the development of programs that equip social workers with financial capability skills to build the financial resilience of women and youth through direct assistance (e.g., basic financial guidance) and training to confront inequitable gender norms and practices. He convened an expert group to advise how social work education and practice can move towards a gender-transformative approach to developing and delivering inclusive financial capability



interventions. He is currently finalizing a systematic review of the current state of evidence on gender-transformative financial capability, which will inform the development of 1) a gender-transformative financial capability framework and 2) guidelines on how to integrate gender-transformative financial capability training in social work education.

- Dr. Okumu is a faculty director and co-PI of the FCAB Africa (Financial Capability and Asset Building in Africa) initiative currently gathering preliminary information on methods of providing basic financial advice to African households in **Ethiopia, Liberia, Ghana, Kenya and Uganda**. The aim is to gain knowledge on how to equip human service professionals (such as social workers and community health workers) with relevant financial capability competencies to enable them provide basic financial guidance and financial literacy training, directly helping their future underprivileged clients and customers establish financial resilience. Participants in the study will be divided into three groups: (a) faculty from tertiary institutions who instruct students on how to become human service practitioners; (b) students enrolled in programs that prepare them to become future human service practitioners, such as social workers and community health workers; and (c) staff of non-governmental organizations (NGOs) that provide social services to individuals and households. Findings from this activity will inform a multi-country strategy for improving the financial resilience of the most vulnerable.

## Student & Scholar Mobility

- Dr. Andrade has advised and/or served on dissertation committees with multiple international students this past year both in the United States and abroad in **Brazil**.
- Dr. Hellen McDonald, clinical professor, re-launched the School's short-term faculty-led class to Greece, SOCW 330/561: Global Service Learning in Social Work – Global Refugee Crisis. Dr. McDonald also worked with two MSW students on applications for site-based international internships in Cape Town, **South Africa**, as well as advises an MSW student completing two semesters from Uganda.

## Partnerships & Visits

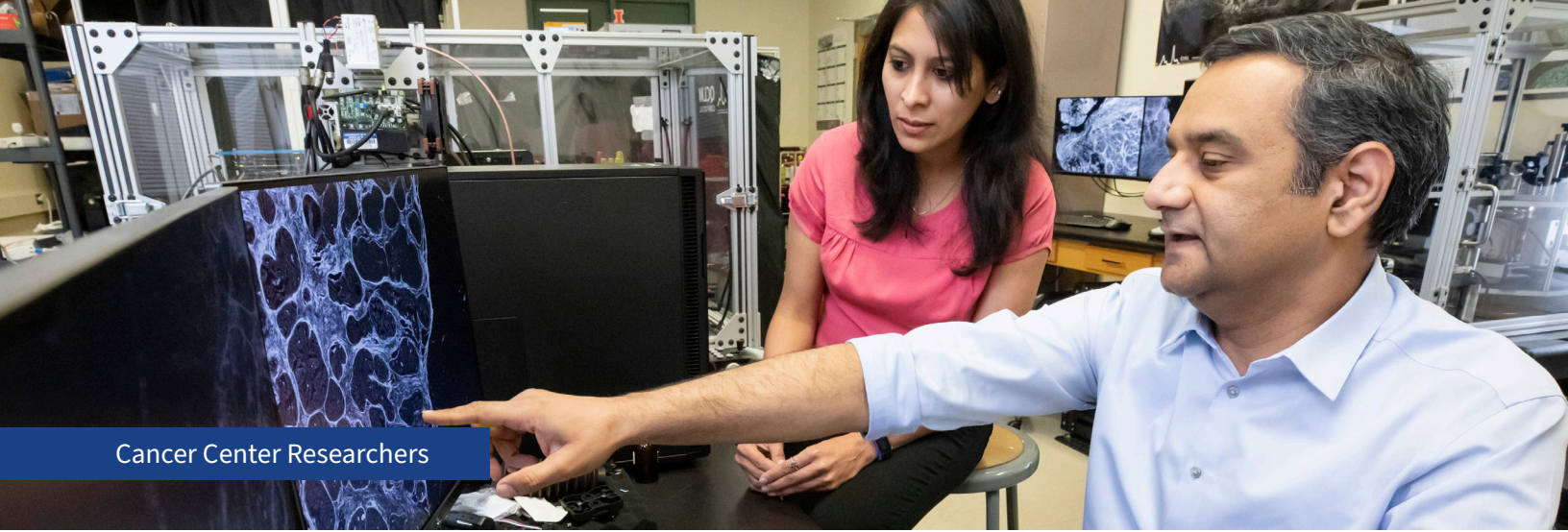
- Dr. Judy Havlicek was invited to give a talk in Dublin (**Ireland**). As part of this trip, she met with various faculty and students at Trinity University and participated in an all-day conference. Dr. Havlicek now has two partnerships that developed from this collaboration. In addition, she is working with faculty from the **United Kingdom** on a different research project, all which stem from a research network on transition aged foster youth, of which she been a part since 2019.
- Our Graduate Enrollment Manager, Cheryl Street has met with 5+ students over the past year from Africa and Latin America to discuss our iMSW program.
- Dr. Doug Smith is serving on an international committee (United States, **Phillipines, Japan, Brazil**) that is establishing the trainer certification standards for Motivational Interviewing, an empirically supported treatment.

## Publications

- Adamu, I., Andrade, F. C. D., & Singleton, C. (2022). Availability of drinking water source and the prevalence of diarrhea among Nigerian households. *American Journal of Tropical Medicine & Hygiene*, 107(4), 893–897.

## Publications Continued

- Aguirre, M. J. X., Andrade, F. C. D., Aguirre, M. A. C., Justino, J. R., Maciel, B. L. L. (2023). Social network and its associations with overweight and obesity in adolescents from a school in rural **Brazil**. *Nutrients*.
- Andrade, F. C. D., & Chen, X. S. (2022). A biopsychosocial examination of chronic back pain, limitations on usual activities, and treatment in **Brazil**, 2019. *PloS one*, 17(6), e0269627.
- Andrade, F. C. D., Quashie, N. T., & Schwartzman, L. F. (2022). Coresidence increases the risk of testing positive for COVID-19 among older Brazilians. *BMC Geriatrics*, 22(1), 1-16.
- Chakraborty, S., Andrade, F. C., & Smith, R. L. (2022). An interdisciplinary approach to One Health: Course design, development, and delivery. *Journal of Veterinary Medical Education*, 49(5), 568-574.
- Corona, L. P., Andrade, F. C. D., Alexandre, T. S., Brito, T. R. P., Nunes, D. P., & Duarte, Y. A. O. (2022). Higher hemoglobin levels are associated with better physical performance among older adults without anemia: A longitudinal analysis. *BMC Geriatrics*, 22, 233.
- Corona, L. P., Andrade, F. C. D., Borim, F. S. A., Aprahamian, I., Fattori, A., Cesari, M., Neri, A. L., & Yassuda, M. S. (2023). Weight loss severity and functional decline among the oldest old in a middle-income country: the Fibra study longitudinal findings. *Clinical Nutrition ESPEN*, 170-174.
- Dr. Brenda Lindsey, Teaching Professor, is the Managing Editor of the *International Journal of School Social Work* whose role is to engage, recruit, and support a community of international scholars and practitioners devoted to school social work. The journal is open-access and expands the availability of scholarly literature to people across the world.
- Guimarães, R. Andrade, F. C. D., Costa, G. N. O., Rocha, A. S., Barreto, M. L., Salles, C. (2023). Setting references for daily intake of micronutrients: A study on magnesium. *Nutrients*, 111903.
- Kang, S., Chen, X. S., Muzhylko, T., Andrade, F. C. D. (2023). The influence of a teachable moment on healthy lifestyle behaviors among adults with hypertension in **Brazil**. *Preventive Medicine Reports*.
- Kowal, P., Corso, B., Anindya, K., Andrade, F. C. D., Giang, T. L., Gutierrez, M. T. C., Pothisiri, W., Quashie, N., Reina, H. A. R., Rosenberg, M., Towers, A., Vicerra, P. M. M., Minicuci, N., Ng, N., & Byles, J. (2023). Prevalence of unmet health care need in older adults in 83 countries: measuring progressing towards universal health coverage in the context of global population aging. *Population Health Metrics*.
- Kwon, S., An, J., Lara-Cinisomo, S., Andrade, F. C. D., & Hernandez, R. (2023). The Influence of Cultural Values on Mental Health of Informal Korean Caregivers for Older Adults: A Systematic Review. *Social Work in Mental Health*, 1-21.
- Quashie, N. T., García, C., Meltzer, G., Andrade, F. C. D., Matos-Moreno, A. (2023). Neighborhood socioeconomic position, living arrangements, and cardiometabolic disease among Older Puerto Ricans from 2002 to 2007. *Plos One*.
- Quashie, N., Meltzer, G., García, C., Andrade, F. C. D. (2022). Living arrangements and intergenerational support in **Puerto Rico**: Are fathers disadvantaged? *Journal of Gerontology: Social Sciences*, 77(11), 2078-2090.
- Teran-Garcia, M., Hammons, A., Olvera, N., Greder, K., Plaza-Delestre, M., Andrade, F. C. D., Fiese, B., Wiley, A. R., Abriendo Caminos Team (2023). Randomized Control Trial of a Childhood Obesity Prevention Family-Based Program: “Abriendo Caminos” and Effects on BMI. *Frontiers in Pediatrics*, 11, 1137825.



Cancer Center Researchers

## CANCER CENTER AT ILLINOIS



### Partnerships & Visits

- The Cancer Center at Illinois (CCIL) fosters basic science and engineering innovations to spur scientific discovery into the nature of cancer and to develop interventions that can help clinicians across the world prevent, diagnose, and treat cancer, both cost-effectively and at scale. As members of the global community, the CCIL is committed to being engaged respectfully and genuinely to attain measurable outcomes. To this end, we acknowledge inclusive partnership's role and development.
- During 2022-2023 academic year, CCIL members were actively engaged in partnerships and research which span multiple sites in the United States, as well as with colleagues at international universities and organizations in **Australia, Austria, Belgium, Brazil, Canada, China, Germany, Italy, Japan, Jordan, The Netherlands, North Macedonia, Pakistan, Poland, Singapore, South Korea, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.** These partnerships are evidenced through intellectual exchanges demonstrated via research articles, white papers, and other publications.

### Publications

- CCIL is continually working to establish and sustain international partnerships and relationships, which are evidenced in the research articles, white papers, and other scholarly publications.





Gene Sequencing in an IGB Lab

## CARL R. WOESE INSTITUTE FOR GENOMIC BIOLOGY



### Research Collaborations

- The Carl R. Woese Institute for Genomic Biology (IGB) is a member institution of the Earth Biogenome Project, a large international consortium aiming to sequence the genomes of all the species on the planet. IGB Director is founder and served as co-chair from 2017-2023.

### Partnerships & Visits

- IGB has a bi-lateral partnership with the African BioGenome Project (AfricaBP). The AfricaBP is a coordinated pan-African effort to build capacity (and infrastructure) to generate, analyze and deploy genomics data for the improvement and sustainable use of biodiversity and agriculture across **Africa**. Africa is rich in biodiversity in terms of both species and endemism. Unfortunately, Africa's rich biodiversity is facing unprecedented levels of threat from climate change, deforestation and population growth. Conservation and restoration of biodiversity through genomics is of paramount importance to minimize genetic erosion and safeguard genetic diversity of Africa's plants and animals. Genomics facilitates biodiversity conservation by identifying traits important for the generation, persistence and adaptation of new species, alleles for breeding species with desirable traits and genomic patterns of inbreeding for rescuing at-risk populations.



## HUMANITIES RESEARCH INSTITUTE



### Events & Lectures

- On March 6, 2023, as part of its Un/Doing theme series, HRI hosted a public talk by Mexico-City-based trans-activist, pedagogue, and performance artist Lia García. The prior day, March 5, García and Illinois faculty member R. Elizabeth Velasquez-Estrada ran a workshop for faculty on the “pedagogy of affection,” which García has developed through her work in Mexico City (**Mexico**).
- On March 8, 2023, in collaboration with the Women and Gender in Global Perspectives Program, HRI co-hosted the sixth annual International Women’s Day Celebration, “Twelve Women Who Changed the World: Untold Stories,” which featured a broad range of presenters from campus and community, who highlighted achievements by women on the international stage.
- On April 4, 2023, as part of its Interseminars “Imagining Otherwise: Speculation in the Americas,” program series (supported by the Mellon Foundation), HRI hosted Macarena Gómez-Barris (Brown University), who gave a public lecture on her Atacama [Desert] Integrated Research Project, which considered writing, research, and creative practice as a palimpsest of approaches available to rethink the role of the human and non-human in the desert, given the colonial Anthropocene, and the context of ongoing environmental, damage, ruin, and extractivism. The following day, Macarena Gómez-Barris also led a workshop for Interseminars conveners and graduate fellows.
- In addition to these events organized by HRI, the Institute provided monetary co-sponsorship (through its Supplemental Event Fund) of the following internationally focused events:
  - » Screening of Hindi feature film Nazarbandh/Captive 9 (2020, **India**), followed by Q&A with Director Suman Mukhopadhyay, offered by the English Department on September 15, 2022.
  - » Dr. LeRon Harrison: "Gagaku: A Brief Introduction and Thematic Cultural History” Talk + “Sound and Song: A Performance of and Q&A session on Japanese Court Music” Community Event, offered by CEAPS on October 13, 2022.
  - » Pritika Chowdhry lecture on her artwork on the 1947 Partition of **India** and **Pakistan**, offered by CSAMES, November 3, 2022.

## Events & Lectures Continued

- Co-sponsorship events continued:
  - » Wenren: An Evening with the Music of Chen Yi, offered by Department of Bands, EALC, CEAPS, and FAA on March 24, 2023. The concert title stems from the ancient Chinese Wenren, artistic philosophers who believed in unifying all the senses via artistic expression. The concert offered a multimedia exploration of Chen Yi's repertoire via her fusion of traditional Chinese and modern Western practice. The evening explored the breadth of Dr. Chen's music through performances by the Chamber Singers as well as instrumental soloists and chamber groups. The musicians were joined by multimedia collaborators Yingman Tang (lighting designer), Joseph Obanudi (visual artist), and the Department of Dance.
  - » "The Making of Standard French: Attitudes toward regional variation in early modern texts," offered by French and Italian and France@Illinois Center of Excellence of the Cultural Services of the French Embassy in the United States on April 13, 2023.

## Research Collaborations

- HRI awarded two Faculty Fellowships in 2022-2023, which provide release time and research funds to the following faculty who work on international/transnational projects:
  - » R. Elizabeth Velásquez Estrada (Latina/Latino Studies), "Intersectional Justice Denied: Warring Masculinity, Negative Peace and Violence in Post-Peace Accords **El Salvador**."
  - » Yuridia Ramírez (History), "Indigeneity on the Move: Transborder Politics from Michoacán to North Carolina."
- HRI awarded several Graduate Fellowships in 2022-2023, which provide a stipend and tuition and partial fee waivers to the following graduate students who had international/transnational dissertation projects:
  - » Dilara Çalışkan, "World and Kin Making: Family, Time and Memory among Trans Mothers and Daughters in **Turkey**."
  - » Amanda Smith (French and Italian), "21st Century Black Beauty Resistance: Collectivism, Individuality, and In/Visibility in Black French Women's Body and Hair Representations."
  - » Lingyan Liu (History), "Just Call It the Noise: Chinese Opera and the Sounds of **China** in Race-Making and Modern Citizenship, 1850s-1930s."
  - » Nicole Cox (Anthropology) "Re/Moving the State: Multiple Productivities of Embodied Practice in Indian Diplomacy."
- In addition to pursuing their research projects, HRI Fellows (faculty and grads) spent the 2022-2023 year in seminar, discussing their works in progress as they related to the fellowship theme of "Un/Doing."

- HRI awarded a Summer Faculty Fellowship 2023 to:
  - » Pilar Martínez Quiroga (Spanish and Portuguese) to support her research project “The Utopia of a Feminist Nation: The Case of Catalonia.” This research is part of a book-length publication, tentatively entitled “Matrias: literatura feminista nacionalista y doble militancia en Cataluña, Euskadi y Galicia” (Matrias: Nationalist Feminist Literature and Double Militancy in Catalonia, Euskadi and Galicia). In summer 2023, with the support of HRI, Professor Martínez Quiroga traveled to Valencia, Tarragona, and Barcelona, **Spain** to visit archives and libraries containing primary sources related to her project.

## **Student & Scholar Mobility**

- In 2022-2023, HRI Director Antoinette Burton served on the Illinois Scholars at Risk (iSAR) Committee, constituted by the Provost. The committee’s charge was:
  - 1) Build campus infrastructure for hosting Scholars at Risk including:
    - a. Outlining guidelines for the sources of support to be used by units interested in hosting scholars, including eligibility for central campus funds,
    - b. Developing a process for identifying potential scholars for interested departments and units on campus to host after funding for the scholar has been mutually agreed upon by the committee and host unit,
    - c. Developing resources about the campus and broader Champaign-Urbana community scholars can host,
    - d. Providing guidelines for the academic and administrative mentors.
  - 2) Develop a communication plan.
  - 3) Make progress on hosting scholars at risk beginning in spring 2023.



Flags in the SDRP Atrium

## ILLINOIS GLOBAL INSTITUTE



### Courses & Trainings

- The Center for African Studies' study-abroad wing of the Africana World Studies program was named “African Connections Program (ACP).” Four UIUC students who studied Swahili for a semester, completed a pre-departure Global Studies class in Kenyan history and culture, went to Nairobi, Kenya for two weeks over the 2022-2023 Wintersession (with two LAS staff), and then completed a community engagement segment. ACP was a tremendous success for everyone involved, and the program has now attracted more applicants for its second cohort. This second group is expected to include students from the University of Illinois Chicago.
- The LAS Global Studies Program (now part of the Illinois Global Institute) offered several internationally focused courses in 2022-2023:
  - » GLBL 100 Introduction to Global Studies (Tim Wedig, David Schrag)
  - » GLBL 130 Resistance Movements (considers social justice movements in the United States from a transnational perspective) (Valeria Bonatti)
  - » GLBL 200 Foundations of Research (course on different methodologies for researching global topics from an interdisciplinary approach, alongside ethical, historical, and practical considerations necessary to carry out research abroad) (Valeria Bonatti, David Schrag)
  - » GLBL 220 Global Governance (David Schrag)
  - » GLBL 225 Career Development: Internships (Spring 2023) (Caitlin Marie Alvarez)
  - » GLBL 240 Global Health (course highlights the biomedical and social determinants of health and illness and places a special emphasis on the aspects of population health and well-being that cannot be addressed, or governed, locally or nationally) (Valeria Bonatti)
  - » GLBL 250 Global Development (introduction to the interconnectedness of global poverty, and governing structures that reinforce neocolonial relationships in the present) (Valeria Bonatti)
  - » GLBL 260 Global Human Rights (David Schrag)
  - » GLBL 270 Global economic history (Charles Fogelman)
  - » GLBL 296 Politics of Belonging: Nationalism and Populism in Europe (course on populist nationalist movements from an international/global perspective) (David Schrag)



## Courses & Trainings

- LAS Global Studies Program several internationally focused courses continued:
  - » GLBL 296 European Sustainability and Degrowth (course on green growth in the EU, supported by summer grant from EUC) (David Schrag)
  - » GLBL 340 Global Health Governance and Policy (offers a focused overview of the important supranational institutions tasked with coordinating global health governance) (Valeria Bonatti)
  - » GLBL 350 Critical Poverty Studies (Charles Fogelman)
  - » GLBL 392 International Diplomacy and Negotiation (Tim Wedig)
  - » GLBL 440 Interventions and Evaluations in Global Health (practicum where students are tasked with identifying a current global health challenge and produce policy suggestions rooted in a historical and social understanding of the issues and populations of interest) (Valeria Bonatti)
  - » GLBL 450 Global Development Interventions (Charles Fogelman)
  - » GLBL 495 Research Methods II (research mentor for GLBL major, Tina Dou, project on international education) (David Schrag)
  - » GLBL 499 Alternative Study Abroad (mentoring Global Studies students in carrying out a research project on the effects of Covid-19 on a population or topic of interest outside of the United States) (Valeria Bonatti, David Schrag, Tim Wedig)
- LAS Global Studies is currently developing a Global Classroom proposal for Global Development (GLBL 250) with (tentative) partner: Dr. Melati Nungsari, Asia School of Business and MIT Sloan. This project is being overseen by Valeria Bonatti.

## Events & Lectures

- The Center for African Studies hosted dozens of events in 2022-23. The main speaker is noted in parenthesis (the asterisk \* indicates a co-sponsored event with an on- or off-campus unit):
  - » 7 Sept. “Improving Dairy Cattle Genetics in Tanzania” (Crystal Allen)
  - » \*14 Sept. “An All-star Music Ensemble in Addis Ababa” (Quanqwa Group talk)
  - » \*14 Sept. “An All-star Music Ensemble in Addis Ababa” (Quanqwa Group performance)
  - » \*21 Sept. “Reimagining Africa In Our Futures (Michael Mwenso)
  - » 22 Sept. Film Discussion: “Up North” (Abdulgafar Sulaiman)
  - » \*27 Sept. Chicago Immigrant Orchestra performance
  - » 28 Sept. “Searching for the Afrikan Roots of the Blues” (Marvin Haire)
  - » 28 Sept. “Reflections on **Kenya’s** New Competency-based Curriculum” (Mary Gathogo)
  - » 5 Oct. “Self-Fashioning, Atlantic Commerce and the Culture of Adornment on the Urban Gold Coast” (Hermann von Hesse)
  - » \*7 October. “Careers in the State Department and the Peace Corps” (Eric Whitaker)
  - » \*13 Oct. “Honoring Kiswahili with Technology and Community” (Kathleen Siminyu)
  - » 13 Oct. Film Discussion: “October 1” (Adetutu Fabusoro)
  - » \*13 Oct. “Exploring Place-Based Adaptation to Climate Change” (Crispin Cholwe and guests from **Bolivia, Colombia, Ecuador**)

- Center for African Studies events continued:
  - » 19 Oct. “Exploring How Colonial Psychiatry and Colonialism Interacted in Settler Colonies in Africa” (Peter Floess)
  - » \*19 Oct. “Exploring International Music Night”
  - » 26 Oct. “African Influences on European Mapping of Africa” (Thomas Bassett)
  - » 27 Oct. “Word Is Seed: International Poetry Read-ing”
  - » 2 Nov. “The De-Africanization and Re-Europeanization of Libya” (Essam El-Gorghli)
  - » \*12 Nov. “ASA Teacher’s Workshop: Pan-African Cosmopolitanism in Popular Cultural Expression” (Adeyinka Alasade)
  - » \*28 Nov. “FLAS Information Session” (Maimouna Barro)
  - » 30 Nov. “Like Logic to Khadija” (David Owen)
  - » 2 Dec. “The Making of a Tijaniyya Muslim Community in southern Senegambia” (Assan Sarr)
  - » \*6 Dec. FLAS Information Session (Maimouna Barro)
  - » 1 Feb. “Current Research with Njala University, Sierra Leone” (Paul McNamara, Ann-Perry Witmer, Caleb Bruhn, Momodu Kanu, Jingru Jia, Agnes Millimouno)
  - » 15 Feb. “Black Bodies and French Colonial History: Beyonce and Jay-Z at the Louvre” (Felisa Vergara Reynolds)
  - » 16 Feb. Film Discussion: Anikulapo (Adetutu Fabusoro)
  - » 28 Feb. Bitter Kola Tastes Sweet (Michael Warr, Carmen Thompson)
  - » 1 March. “A Brazilianist’s Introduction to African Comparative Linguistics” (Marc Hertzmann)
  - » 1 March. “Hands Around The World: Dr. Howard Elementary School” (Inka Alasade, Brian Ndumila)
  - » \*3 March. IGI Career Day (Laura Fyfe, Vernita Fort)
  - » 8 March. “Africans At The Border” (Teresa Barnes)
  - » 29 March. Film Discussion, “The Woman King” (Augustus Woods III, Teresa Barnes)
  - » 30 March. “International Night: Carrie Busey Elementary School” (Inka Alasade)
  - » \*4 April. “An Historical Perspective of East African Live-stock Production: International Food Security Symposium” (Teresa Barnes)
  - » 5 April. “The Manuscript Heritage of Sudanic Africa” (Amidu Sanni)
  - » 7 April. “Ibadi Approaches to Muslim Unity in **Tanzania**” (Kimberley Wortmann)
  - » \*12 April. “The Impact of **Russia-Ukraine** Conflict on Food and Nutrition Security in Africa” (John Ulimwengu)
  - » 19 April. “Decentralization, Local Governance, and Service Delivery in **Malawi**” (Mussa Mwale, Chris Grady)
  - » 21 April. “Careers in Public Service – a talk with students of the Department of History” (Eric Whitaker)
  - » \*26 April. WEB Du Bois Annual Lecture “Africatown, Alabama” (Afia Zakiya)
  - » 27 April. “The Land Has Counselors” (Emmanuel Nuesiri, Dawn Blackman)
  - » 4 May. “The Starship Multi-Cultural Night: Southside Elementary School” (Brian Ndumila)

## Events & Lectures Continued

- For the first time since 2018, the Center for African Studies organized the WEB Du Bois Annual Lecture in conjunction with friends and colleagues in the Department of African-American Studies, hosting Dr. Afia Zakiya, who spoke about her work and vision for the Africatown Heritage Preservation Foundation in Mobile, Alabama. Additionally, the Center for African Studies' established "Timbuktu Talks" series continued with four stellar speakers this year.
- The Center for African Studies' signature outreach programs, "Word Is Seed" and "Bitter Kola Tastes Sweet" continued to highlight African language poetry, literature and creative perspectives to and with our hybrid audiences.
- During the 2022-2023 academic year, the Center for Global Studies expanded outreach to local and national audiences by organizing or co-sponsoring 75 events attended by over 6440 participants, viewers, and listeners. There was a series of multidisciplinary faculty lectures of varied perspectives in our "Nationalism and Populism" themed talks, including topics such as: "Conceptual and Analytical Approaches to Food Crises and Famine: The IPC's Approach", "Secessionism and Affective Polarization; Cases of Scotland, Catalonia, and Northern Ireland", "Has Brexit Made an Independent Scotland More Likely?" and "Independent Community Rooted AI Research". These events included presenters from academia, government and the local community who presented the impacts of nationalism, populism, and globalization from diverse perspectives. CGS also co-sponsored the IGI's Global Grand Challenges Series focusing on the war in Ukraine and featured a presentation on the immigration crisis in Europe.
- Valeria Bonatti (LAS Global Studies) moderated a panel titled "Shedding Light on the Invisible: Understanding Refugees and Displacement in **Malaysia**" at the Penang Institute, Georgetown, Malaysia on June 7, 2023. Panelists included leading figures in refugee justice NGOs on their experiences as individuals and as community leaders.
- Valeria Bonatti (LAS Global Studies) gave two guest lectures for the Consortium on Forced Migration. Both guest lectures focused on ethical questions pertaining to the risks of othering global research subjects, human and non-human, as well as the responsibilities of ethical ethnographic research. The first lecture was titled "Doing urban ethnography from a critical ethnography perspectives" and took place on June 12 in Kuala Lumpur, **Malaysia**. The second lecture was titled "Speaking for Nature: Ethnography and the Non-human" and took place on June 18 at the Hikayat Institute of Georgetown in Penan.

## Research Collaborations

- As a United States Department of Education Designated National Resource Center (NRC) in Global Studies, the Center for Global Studies (CGS) promotes and supports innovative research to better understand the global issues confronting the world's populations and identify ways to cope with and resolve these challenges. The United States Department of Education awarded the CGS a four-year grant of \$1,073,539 for the period of 2022-26. This Title VI funding renewed the Center's status as a National Resource Center in Global Studies, a distinction CGS has held since 2003. CGS was also awarded \$1,392,000 for Foreign Language and Area Studies (FLAS) fellowships for both undergraduate and graduate students for the same period. The NRC funding for the 2022-2023 academic year was allocated to fund the following international activities:

## Research Collaborations Continued

- CGS research and funding support continued:
  - » Faculty Training and professional development: CGS provided Title VI funds to provide language training of one of our Librarians, Mara Thacker. The benefit to the University is that improving her language skills in Bangla will allow her to better develop the library's South Asian collections and services, which will further open new research possibilities and opportunities for collaboration with scholars doing work on West Bengal (**India**) as well as the local Bengal community.
  - » Faculty research to develop globally focused courses: To assist University of Illinois faculty in course instruction and development, CGS allocated approximately \$31,000 of Title VI NRC and other funding toward support for improving and enabling both online and in-person course delivery throughout 2022-2023. CGS worked with units across campus such as the College of Education, the College of Applied Health Sciences, and the College of Fine & Applied Arts to provide funding for course development and instruction that focused on content in global studies.
  - » Student Research: An important CGS initiative to provide important leadership and engagement opportunities for students is the Global Intersections Project, which is designed to encourage multicultural, international, transnational, and global perspectives in student research. This initiative invites collaborative proposals from faculty and students across multiple disciplines that promote understanding and aid in solving global problems. These projects provide opportunities for students to engage directly in the process of developing new research directions in areas of global import. Global Intersections projects are multidisciplinary and globally focused collaborations, spearheaded by students and supported by faculty. This year six student groups were awarded Global Intersections fellowships. Projects included a 3-day symposium on "Ukrainian Cultural and Linguistic Shift in the Wake of the Russian Invasion". The resulting Zoom-hosted presentations had nearly 250 participants worldwide. Other projects include a reading group studying borders, a database documenting the intersection of colonial experiences and Chinese heritage, a planned workshop on Mesoamerican Indigenous Language Revitalization, a symposium on virtual exchange, and research on ecology and politics in South America.
- LAS Global Studies faculty undertook the following research projects in 2022-2023:
  - » Charles Fogelman received the Fulbright-Hays Faculty Research Abroad Fellowship to conduct qualitative research on geographies of agrarian development, poverty reduction, and irrigation strategies in rural **Lesotho** from June 2023 to December 2023.
  - » Valeria Bonatti continued work on an ongoing book project titled "Essential Care and Isolation: Careworkers' experiences of Covid19 Lockdowns in Naples, **Italy**."

## Partnerships & Visits

- The Center for African Studies, together with the Center for Latin American and Caribbean Studies, the University YMCA and Illinois Extension, collaborated on the The New Immigrant Foodways project. The project brings together short education videos of African and Latin American immigrants from the community cooking their favorite dishes and was very successful.
- The Center for Global Studies provided Title VI travel funds to faculty to do research for course creation and building linkages with other universities. Dr. Silverman of Anthropology traveled to the U.K. to strengthen the UIUC partnership with Stockholm University and to work on England heritage studies



with Nottingham Trent University (**England**) for the purpose of creating courses including sustainable development, entrepreneurship & international policy.

- LAS Global Studies welcomed Host for Sarah Bidgood talk “WMD Nonproliferation and Arms Control” focused on careers (Director, Eurasia Nonproliferation Program, James Martin Center for Nonproliferation Studies, Middlebury Institute of International Studies at Monterey).

## Student & Scholar Mobility

- The Center for African Studies (CAS) supports faculty and student research on African topics, broadening United States teacher resources on African topics, hosts African students and visitors, is increasing the number of study-abroad programs on the African continent, and increasing contacts with African institutions of higher education. To that end, CAS welcomed 3 new students into our interdisciplinary African Studies M.A. program: Maiga Mugo, Brian Ndumila and Fangyong Kuma. For the first time in many years, CAS was able to offer them all funding support with either university (“state”) funds or with Title VI funds. CAS continued to award the Whitaker Undergraduate Scholarship in African Studies; and the graduate Bokamba Scholarship is steadily growing. CAS joined with other units to successfully nominate former United States Ambassador Eric Whitaker for an LAS Alumni Achievement Award.
- The Center for Global Studies (CGS) supported both faculty and student scholars through funding and programming during 2022-2023:
  - » CGS provided Title VI funds to faculty in Recreation and Sports Tourism Management who planned to work in summer 2023 on the internationalization of applied health sciences courses.
  - » In the winter of 2023, CGS held a competition for FLAS awards for language study during the summer of 2023 and the academic year 2023-24. Thirty undergraduate and 43 graduate applications were received, with students being drawn from 30 different departments and programs. For the summer of 2023, CGS supported five FLAS Fellows (two undergraduate and three graduate students), studying a total of five Less Commonly Taught Languages (LCTL) languages (Chinese, Japanese, Korean, Russian, and Turkish). Two of the students are pursuing their studies abroad, a welcome emergence from the conditions of the Covid-19 pandemic. Drawing on an applicant pool that is extremely diverse in background and interests, CGS uses the FLAS program to sustain studies that are instrumental in the full range of projects pursued by students across the UIUC campus, at all levels, and across multiple units and departments. In many cases, FLAS funding is an essential source of funding to entice graduate students to choose UIUC for work toward their master’s or Ph.D.
  - » The International Studies Research Lab (ISRL) provides community college faculty with resources to foster greater cultural understanding in the context of globalization. Participants in this hybrid residential / virtual research lab work to develop global studies curricula and instruction in less commonly taught languages, expand library collections, or establish international education programs at their home institutions. ISRL is led by the Center for Global Studies and co-sponsored by partner Title VI Centers at the University of Illinois. The program has grown each year, and in 2023, ISRL hosted 8 participants from 6 states.
  - » CGS provided Title VI funds to Dr. Allison Witt, who traveled abroad to support the development of a study abroad program in Chiang Mai, **Thailand**. UIUC has a group of alumni preparing teachers there who were students of UIUC’s COE’s former Dean Anderson. Professor of Education Dr. Witt

formalized the relationship to develop a program while there was still a strong connection to the former Dean (now Emeritus and an affiliate of CGS).

- » CGS provided Title VI funds to Dr. Xinyuan Dai of Political Science, who traveled to the Potsdam Institute for Climate Impact Research in **Germany**, to examine policy initiatives to limit climate impacts, inform course development and pedagogy. The plan is to develop a course for upper division undergraduate students and early post-graduates (including Global Studies Masters students) on Global Environmental Policies. This course examines the political contestation of global environmental policies.
- LAS Global Studies advised students on major and minor plans of study and certificates for Global Studies (all faculty).
- LAS Global Studies Wrote letters of recommendation for study abroad programs, student scholarships (including FLAS winners), job applications, and internships (all faculty).
- LAS Global Studies reviewed the Bastian, Thulin, McGrath scholarship applications, for students applying to study abroad programs (all faculty).
- LAS Global Studies connected with the United States Department of State, Midwest Diplomat in Residence and assisted in coordinating, marketing, and communicating a Career Talk on opportunities in the United States Department of State (Caitlin Marie Alvarez).
- CGS provided Title VI funds for Prof. Sara Benson of the Library/iSchool (School of Info. Sciences) to attend the World Intellectual Property Organization (WIPO) as Visiting Academic Fellow, where her plans were to explore and initiate policy development, create a course, and organize a conference during the summer 2023 semester.

## Publications

- LAS Global Studies staff published the following in 2022-2023:
  - » Aerni-Flessner, J., Fogelman, C., and Mokoena, N. 2023. The Historical Dictionary of **Lesotho**, 3rd Edition. Rowman & Littlefield. (634-page co-authored reference volume, release date Dec 2023 or Jan 2024) (Charles Fogelman)
  - » Migrant Women's experiences of street harassment in Naples, **Italy** - forthcoming in Verso Books. The chapter is a co-authorship with Dr. Ashley Hutson. (Valeria Bonatti)



Morrow Plots Research Field

## INSTITUTE FOR SUSTAINABILITY, ENERGY AND ENVIRONMENT

### Events & Lectures

- ‘Sustainability Education, the Global South, and Social Justice’ explored how sustainability education can advance equity and justice in research and public education. The agenda included a keynote by writer, scholar, and activist Angelique V. Nixon of the Institute for Gender and Development Studies, University of the West Indies; and workshops with educators and advocates from **Namibia, Uganda, Mexico, Puerto Rico**, Europe, and the United States The event was co-hosted with the College of Education.
- ‘Environmental Justice in the United States: Sustainability Education and Social Movements in the United States’ explored how sustainability education can advance equity and justice in research and public education. The agenda included a keynote by author and storyteller Carolyn Finney and panels featuring Fikile Nxumalo of the University of Toronto School of the Environment (**Canada**), Kim Wasserman of Little Village Environmental Justice Organization in Chicago, and educators and advocates from Illinois and other institutions. The event was co-hosted with the College of Education.
- The Reimagine Our Future Competition, guided by the U.N.'s Sustainable Development Goals, encourages undergraduates to address a sustainability problem at a local, regional, national, or international level. Entrants are required to explain how an initiative they propose will promote one or more of the U.N. goals. Students meet with specialists who provide advice, do their own research, and then submit their proposal in a concise fact sheet. These fact sheets are judged in two rounds and winners are selected for a cash prize.
- A new course developed with support from a 2021 iSEE Levenick Teaching Sustainability Fellowship shows College of Education graduate students how to incorporate sustainability into school curricula. EPOL 421: Education for Global Environmental Sustainability, an eight-week course on the history, theory, and practice of sustainability education, was developed by Samantha Lindgren, Assistant Professor in Education Policy, Organization, and Leadership.
- The 2022 iSEE event: Climate (In)Securities in Great Lakes Communities: A Critical Conversation was supported by the Great Lakes Higher Education Consortium (GLHEC) and the planning committee and participants included Canadians.

## Student & Scholar Mobility

- In June of 2023 Sophie Comer-Warner (University of Birmingham) arrived at UIUC to begin her work relating to the BRIDGE Water Sciences Fellowship. She is working across multiple departments (Prairie Research Institute, School of Earth, Society & Environment, and School of Civil & Environmental Engineering). She is anticipated to continue these activities through 2024 and into 2025. Our initial work involves generation of tyre wear reference materials and set-up of surface water flumes to study the fate and transport of tyre wear particles. We are also in the planning stages to perform field work studying Bio swells co-located near major highways.
- John Scott is also participating in the Horizon Doctoral Network (HORIZON-MSCA-DN-32021) program funded by the MARIE SKŁODOWSKA-CURIE ACTIONS program (Plasticunderground). The program is geared towards training post-doctoral students and is currently soliciting 14 positions. Applications are coming in.
- A recent graduate of the University of Birmingham (**England**), Anna Kukkola, is applying for a post-doctoral fellowship through the Finnish Environmental Institute. As part of this effort, Anna will travel to the ISTC laboratory to receive training and develop methods to analyze micro/nanoplastics contained in cosmetics and personal care products.
- A graduate student from the University of Birmingham (**England**) has come to UIUC-ISTC in June and is working in John Scott's lab to analyze her samples for tyre wear particles and developing methods to extract and quantitate the concentration of tyre wear present. She is planning to continue her work at ISTC until November of 2023. This collaboration is anticipated to carry on well past 2024.
- iSEE hosted faculty member Edson Domingues from **Brazil** (Federal University of Minas Gerais), and is now hosting his graduate student. Dr. Domingues studies agricultural expansion, deforestation, GHG mitigation and deforestation reduction, and more in **Brazil**.

## Partnerships & Visits

- iSEE welcomed guests from Québec to the U of I Energy Farm on Aug. 16. Economic Affairs Director Dominic Têtu and Attache Emily Swartz-Frugère of the Québec Government Office in Chicago got a close look at the SCAPES project, where sorghum and soybeans are growing between solar panels. They also met with iSEE researchers and visited the farm's miscanthus-fueled biomass boiler and other features.
- Madhu Khanna, Jennifer Fraterrigo, Meredith Moore, and Morgan White met with Christoph Kecht and his team from the University of Vienna, which was the first climate neutral university in **Austria**. We shared information about our UIUC iCAP programs and they shared information about their efforts and the attached report.
- Two NSF Global centers proposals included iSEE collaborators:
  - » **United Kingdom:** Aberystwyth University - IBERS, and University of Aberdeen.
  - » **Canada:** University of Waterloo, the UK: Cranfield University.
  - » **Australia:** The University of Sydney.



- iSEE Director Madhu Khanna, Associate Director Jennifer Fraterrigo, and Managing Director Elizabeth Murphy traveled to the University of Birmingham last month as part of the Birmingham-Illinois Partnership for Discovery, Engagement and Education (BRIDGE). A Birmingham team had visited the University of Illinois Urbana-Champaign in April to learn about campus decarbonization efforts. In **England**, the iSEE team got a firsthand look at the Birmingham Institute of Forest Research (BIFoR) Free Air Carbon Dioxide Enrichment facility, a large woodland where scientists are pumping carbon dioxide around trees to simulate the atmosphere predicted in 2050, to see how they respond to climate change. They visited the National Buried Infrastructure Facility, which conducts subterranean sustainability research and is part of the UK Collaboratorium for Research on Infrastructure and Cities. The team also toured the Birmingham Energy Institute, a public-private partnership developing sustainable energy solutions to support the transition to a zero-carbon energy system.
- Two faculty members and two graduate students from the University of Birmingham (**England**) visited the University of Illinois campus in April 2023. They toured campus facilities to learn about how UIUC was implementing more sustainable energy and transportation systems.
- The SCAPES agrivoltaics project welcomed a team from Aspen Institute **Germany** on June 28 at Solar Farm 2.0 as part of the United States-German Forum Future Agriculture, a partnership between the institute and the University of Illinois. The forum promotes transatlantic dialogue on common challenges for the field of agriculture and rural regions to pave the way for a more sustainable agricultural future. The team also toured digital agriculture operations and other campus sites.
- Kevin O'Brien is currently working with Imperial College of London to coordinate carbon capture, utilization, and storage (CCUS) activities between the United States and the **United Kingdom**. These interactions have helped him identify the issues and opportunities relating to CCS in this region of the world. It has also served as a springboard to find other organizations performing CCS research in the **United Kingdom**.
- A team from the University of Illinois and members of Sussex University (**England**) will conducted site visits to City, Water, Light and Power (CWLP) in Springfield and Ozinga's R&D facility in Chicago. Sussex's goal is to understand how leading research organizations are working with partners to commercialize and deploy CCUS technologies. They plan on developing a journal publication based on their findings. The University of Illinois Urbana-Champaign and the state of Illinois has been selected to be visited and interviewed by Sussex University due to the fact that UIUC and Illinois are worldwide leaders in CCUS. These site visits will enable Sussex to understand the accomplishments of the University of Illinois in bringing in United States Department of Energy funds and to establish key R&D partners to further the commercialization of CCUS technologies in the United States. Sussex's resulting publication will provide worldwide exposure to the University of Illinois and the state of Illinois to further demonstrate our leadership in the CCUS research.

## Publications

- As a result of previous BRIDGE Seed funding activities, a strong connection was established with a researcher at the University of Plymouth, **United Kingdom**, Andrew Turner. Andrew Turner is a leading expert in plastic additives and microplastics. Currently Andrew Turner is working with the UIUC team on a National Institute of Health proposal to investigate human exposure to microplastics from plastic derived disposable face masks. Past work performed in collaboration with Andrew and John Scot has produced two peer-reviewed publications:
  - » Scott, J.W., Turner, A., Prada, A.F. and Zhao, L., 2022. Heterogeneous weathering of polypropylene in the marine environment. *Science of The Total Environment*, 812, p.152308.
  - » Turner, Andrew, John W. Scott, and Lee A. Green. "Rare earth elements in plastics." *Science of The Total Environment* 774 (2021): 145405.



Blue Waters Supercomputer at NCSA

## NATIONAL CENTER FOR SUPERCOMPUTING APPLICATIONS

### Research Collaborations

- Shirui Luo and Seid Koric worked with researchers from Zhejiang University, the National Supercomputing Center in Wuxi, **China**, and five other institutions from the USA, **United Kingdom**, and **China** to successfully develop and test an unstructured computational fluid dynamics solver, which achieved record sustained sparse linear solver performance of 116 PFlops with a real simulation of a high-pressure turbine discretized with 4 billion mesh elements and 2.16 trillion Degrees of Freedoms scaling it on up to 22.4 Million computational cores with very high parallel efficiencies. This work is one of the year's finalists for the Gordon Bell HPC award at the Supercomputing Conference to be held in November 2023.
- For the last three years, Seid Koric, Qiyue Lu, and Diab Abueidda, along with Prof. Placid Ferreira of MechSE and the Center for Networked Intelligent Components and Environments (C-NICE) at the University of Illinois, worked with the researchers from Foxconn Interconnect Technology from **Taiwan** on successfully devising the first AI-based computational framework for sensitivity and uncertainty quantification analysis of the mechanical behavior and optical performance of an intelligent camera lens assembly and CPU manufacturing. The computational framework is already in industrial use, improving and optimizing the product design and quality of optical systems with minimal cost.

### Partnerships & Visits

- The Joint Laboratory for Extreme Scale Computing (JLESC) was extended for an additional 5 years through the signing of a memorandum of understanding between all of the member institutions. The JLESC was originally established in 2009 and now consists of members from The University of Illinois at Urbana-Champaign, INRIA, the French National Computer Science Institute, Argonne National Laboratory, Barcelona Supercomputing Center, Jülich Supercomputing Centre and the RIKEN Center for Computational Science. It focuses on software challenges found in extreme scale high-performance computers and involves computer scientists, engineers and scientists from other disciplines as well as from industry, to ensure that the research facilitated by the Laboratory addresses science and engineering's most critical needs and takes advantage of the continuing evolution of computing technologies. In October 2022, the National Center for Supercomputing Applications hosted the 14th workshop which was followed by the 15th workshop in March 2023 in Bordeaux, **France**.

## Partnerships & Visits Continued

- NCSA is a founding member of a now 13-year collaboration that provides the International High Performance Computing (HPC) Summer School on HPC Challenges in Computational Science annually for 80 primarily graduate and post-doctoral students. This is in collaboration with PRACE (Europe), RIKEN (**Japan**), SciNet (**Canada**), and Pawsey (**Australia**). The objective of the Summer School is to familiarize the best students of the respective continents or countries in computational sciences with a strong bond to supercomputing with all major state-of-the-art aspects related to HPC for a broad range of scientific disciplines, catalyze the formation of networks, provide mentoring through faculty members and supercomputing experts from renowned HPC centers, and to facilitate international exchange and open further career options.
- NCSA Director, Bill Gropp was acting chair of the advisory council that reviewed the RIKEN Center for Computational Science (R-CCS) in **Japan**. R-CCS is home to one of the world's top supercomputers, Fugaku.
- NCSA has taken strides in establishing an open-source community for the Interdependent Networked Community Resilience Modeling Environment (IN-CORE) in collaboration with the NIST-Funded Center of Excellence under the NSF POSE Phase 1 award. Furthermore, NCSA is actively developing a strategy to integrate the Ergo international community with the IN-CORE community. This effort showcases NCSA's dedication to unifying expertise and knowledge from different communities, facilitating seamless collaboration, and ultimately enhancing the capabilities of both platforms.
- NCSA has engaged in collaborative research and researcher exchanges with the Korea Institute of Science and Technology Information (**South Korea**). The most recent topics for collaboration have been around the Interdependent Networked Community Resilience Modeling Environment (IN-CORE) technology and Physic-informed Neural Network (PINN) technology's.
- Seid Koric and Diab Abueidda collaborated with Khalifa University, Abu Dhabi, **United Arab Emirates**, to extend the formulation of the recently introduced deep learning operator network, DeepONets. During this collaboration, they used high-performance computing to generate and train data from the nonlinear and irreversible plastic behavior exhibited by many engineering materials under large deformation. They found that the full-field solutions predicted by DeepONets are accurate and orders of magnitude faster than by traditional numerical methods.



## PRAIRIE RESEARCH INSTITUTE



### Events & Lectures

- Illinois State Archaeologist Tim Pauketat was invited to and attended the international conference on “Sacred Spaces” (Coloquio Internacional "Espacios Sagrados: Umbrales y Fronteras") in Oaxaca City, Oaxaca, **Mexico**, May 24-27, 2023, at the request of Center for Latin American and Caribbean Studies at Illinois and as coordinated by UNAM Chicago.
- Illinois State Archaeologist, Tim Pauketat was invited and submitted a paper for the International Conference "Creation of Royalty in 'Out of Eurasia Civilizations'" at Meiji University, in Tokyo, **Japan**, June 29-July 2, 2023.

### Research Collaborations

- An ISTC-led team was selected by the United States Department of Energy National Energy Technology Laboratory (DOE-NETL) to design a large-scale system for direct air capture and storage of carbon dioxide(CO<sub>2</sub>). The nearly \$2.5 million project will develop preliminary designs and determine the feasibility of the first commercial-scale direct air capture and storage system (DAC+S) for CO<sub>2</sub> removal in the United States using use DAC technology provided by Swiss company Climeworks, a collaborator on the project.
- Illinois Natural History Survey (INHS) avian ecologist Jeff Hoover, a co-author of a study in the Proceedings of the National Academy of Sciences assessed changes in the reproductive output of 104 bird species between 1970 and 2019 and how climate change is altering bird ecology and health around the world. This study explored the potential effects of global climate change – in particular, warming – on offspring production for over 100 species from more than 200 bird populations across all continents.

### Student & Scholar Mobility

- The Illinois Sustainable Technology Center (ISTC) participated in a staff exchange where ISTC researchers visited the University of Plymouth and the University of Birmingham (both in **England**) to learn more about their contaminants research.

## Student & Scholar Mobility Continued

- In June of 2023, Sophie Comer-Warner arrived at UIUC to begin her work relating to the BRIDGE Water Sciences Fellowship. She is working across multiple departments (Prairie Research Institute, School of Earth, Society & Environment, and School of Civil & Environmental Engineering). She is anticipated to continue these activities through 2024 and into 2025. Our initial work involves the generation of tire wear reference materials and the set up of surface water flumes to study the fate and transport of tire wear particles. We are also in the planning stages to perform field work studying bio swells co-located near major highways.
- The Illinois Sustainable Technology Center (ISTC) hosted 5 employees from Teesside University (TU), Tees Valley, **England**, the week of July 16-21, 2023 to discuss decarbonization and potential collaboration opportunities. Discussions on collaboration opportunities for carbon capture projects in the USA as well as in **England** as well as site visits to 2 of our current projects to showcase our expertise, Meetings were held in Champaign, IL July 17, July 20 and July 21 and site visits were Ozinga in Chicago on July 18 and City Light Water and Power (CLWP) in Springfield IL on July 19. A kickoff business dinner was held on July 16, 2023, for the delegates from Teesside at Biaggi's Ristorante Italiano in Champaign, IL. In attendance were Ellis Marshal (TU), Kumar Patchigolla (TU), Gari Harris (TU), Dawid Hsnsk (TU), Graeme Coomber (TU), Kevin O'Brien (UIUC), Bajio Varghese Kaleeckal (UIUC), Les Gioja (UIUC), Jason Dietsch (UIUC), Chinmoy Bario (UIUC), Hong Lu (UIUC). Efforts are currently underway to establish a Transatlantic Net Zero Centre of Excellence.

## Partnerships & Visits

- The Illinois State Geological Survey worked with Dr. Feyza Kazanc, Department of Mechanical Engineering, from the Middle East Technical University, Ankara, **Turkey**, as well as scholars from George Mason University.
- The Illinois State Geological Survey was pleased to collaborate with the following international groups on energy research projects aimed at decarbonizing the economy:
  - » Total Energy - **France**.
  - » International Society of Petroleum Engineers - **England, Norway, France, Australia, Indonesia, Brazil, and Canada**.
  - » International Standards Organization - **England, Norway, France, Australia, Saudi Arabia, Germany, and Canada**.
  - » United Nations - **England, Norway, The Netherlands, and Canada**.
- The Illinois State Geological Survey is proud to continue ongoing collaborative work with our sister international geological surveys:
  - » Alberta Geological Survey (**Canada**)
  - » Ontario Geological Survey (**Canada**)
  - » Geological Survey of **Canada**
  - » British Geological Survey (**United Kingdom**)
  - » TNO - Geological Survey of **The Netherlands**
  - » Geological Survey of **Denmark and Greenland**





**Illinois International**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN