

ESPP Weekly News Roundup

April 1, 2022

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- [Global Change Seminar: The Great Urban Transition: Landscape and Environmental Changes from Siberia, Shanghai to Saigon | Dr. Peilei Fan | 04-06-22 | 1:00 PM](#)
- [Global Change Seminar: The Great Urban Transition: Global Satellite Monitoring of Fire from Space: Past, Present and Future | Dr. David Roy | 05-04-22 | 1:00 PM](#)
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- [Rigor and Reproducibility \(3393-ILT\) | 04-05-22 | 6-7 PM](#)
- [Navigating the PhD Workshop \(Session 1\) | 04-08-22 | 9 AM – 12 PM](#)
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- [Handling Conflict using Compassionate Communication: The Outer Work | 04-13-22 | 6-7:30 PM](#)
- [Graduate School Write-In | 04-15-22 | 9 AM-12 PM](#)
- [Responsible Conduct of Research, Scholarship and Creative Activity \(RCRSCA\): Workshop Series](#)
- [2022 Black Students Lead Spring Virtual Conference | 04-09-22 | 10 AM – 5 PM](#)
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- [Complete Your Grad Student Tax Return \(and Understand It, Too!\): A Webinar Offered by COGS – Sign up today!](#)
- [RSAI Call for submissions: 2022 RSAI Best Dissertation in Regional Science | Due 07-31-22](#)
- [Global Challenges University Alliance \(GCUA\) 2030 Courses | Enrollment Now Open](#)
- [Broader Impacts Spring Workshops | Multiple Dates](#)
- [AGS International Graduate Student Conference 2022 Call for Papers | 04-29-22](#)
- [Great Lakes Water Infrastructure Conference | May 10-11, 2022](#)
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Job Opportunities

- [Two PhD-positions in agricultural ecology and economy, Uppsala, Sweden](#)
- [Environmental Reporting Summer Internship](#)

Faculty Funding Opportunities

- [Grant Opportunity: Latin America Regional Program | Department of the Interior | Fish and Wildlife Service | Due 05-02-22](#)

ESPP News & Announcements

ESPP Interdisciplinary Team Receives Excellence Award

Congratulations to the Sustainable Climate, Agriculture, Landscapes, and Energy (SCALE) team on recently earning an [Excellence Award in Interdisciplinary Scholarship \(EAIS\)](#) from the [MSU Chapter of the Honor Society of Phi Kappa Phi](#). The SCALE team has been actively growing and evolving for over ten years. SCALE is MSU-based but includes strong and growing collaborations with team members at four peer universities. Currently, 11 senior members make up the SCALE team, though dozens of undergraduates, graduate students, postdoctoral researchers, research technicians, and affiliated faculty have collaborated with the team over the course of four previous grants. Most recently, the team submitted a \$3.6 million proposal to the NSF's Growing Convergence Research (GCR) program in early February, aiming to bring a stronger ecological focus to our team. Read more at <https://espp.msu.edu/news/2022-03-28.html>.

ESPP Summer Research Fellowship Presentations | 04-07-22 | 2:30-3:30 PM

Join us for an engaging session with two of our ESPP Summer Research Fellowship recipients, Apoorva Joshi and Corinn Rutkoski. Learn more and register at <https://espp.msu.edu/events/2022-04-07.html>.

ESPP Seminar Series | Dr. Wei Peng | 04-12-22 | Pathways to Deep Decarbonization: How Can We Model Realistic and Robust Strategies?

Join us for an engaging session of the ESPP Seminar Series as we welcome Dr. Wei Peng. Dr. Peng is an assistant professor at Penn State University. She will present "Pathways to Deep Decarbonization: How Can We Model Realistic and Robust Strategies?". For more details see that attached or visit <https://espp.msu.edu/events/2022-04-12.html>.

2022 Spring Research Colloquium Marathon Recordings Available

Thank you to our excellent presenters this year for our annual Spring Research Colloquium Marathon sessions and to all who participated in making these successful and engaging events. If you were not able to attend, recordings are now available at the links below.

[2022 ESPP Spring Research Colloquium Marathon | Day 1 | 03-23-22](#)

[2022 ESPP Spring Research Colloquium Marathon | Day 2 | 03-31-22](#)

Save the Date: ESPP Annual Gathering | 4-28-22 | 4-6 PM

Save the date for an on-campus end-of-year gathering on Thursday, April 28, 2022, from 4-6:00 PM. More details and RSVP link to come.

Graduate School Announcements

April 4 – 8 is Graduate Student Appreciation Week | April 4-8

From April 4 - 8, the Graduate School is celebrating the hard work of graduate & professional students with a series of events and activities, including chair massages, professional headshot photography, and more. There will also be meet and greets with President Stanley, Provost Woodruff, and Senior Associate Provost Jeitschko. [Learn more here.](#)

Course Announcements

Course Announcement for Fall (Microbial Risk Modeling and Analysis)

From Dr. Mitchell: I am excited to offer BE 849 Microbial Risk Modeling and Analysis again in the Fall. The pandemic has highlighted the need and role of quantitative analysis and engineering for understanding pathogen risks, environmental controls and evaluating interventions mechanistically. It has also highlighted the importance of understanding the process of connecting science with the evaluation of risk management strategies and policy decisions to mitigate risks. This course is open to all graduate students with the required pre-requisites and an interest in integrating biology and engineering for understanding environmental exposures and health risks within the risk assessment framework. See the attached flyer for more information. Please feel free to contact me if you have any questions. See attached for details.

Scholarships, Awards, & Fellowships

Summer Intensive on Community-Engaged Scholarship | Due 4-18-22

June 6-10, 2022 | Kellogg Center, East Lansing, Michigan
\$550 for MSU participants; \$650 for non-MSU participants

Attention: Early career, tenure-track faculty and advanced graduate students. Michigan State University's Office for University Outreach and Engagement is pleased to host the fifth annual Summer Intensive on Community-Engaged Scholarship. We welcome community-engaged scholars and practitioners with interests in community-engaged research and community-engaged teaching and learning, including service-learning, informal learning, and community-engaged research in courses. Through interactive workshops, field trips, lightning talks, case studies, panel discussions, and individual consultations, Summer Intensive participants explore big picture issues related to community-engagement in a learning community setting and develop strategies and plans for their own successful engagement activities. For more details, visit <https://engage.msu.edu/learn/learning/summer-intensive-on-community-engaged-scholarship>.

RCAH Fellowship Call for Applications 22-23 | Due 04-11-22

A graduate fellowship program for doctoral students with interests in teaching, learning, engagement, and assessment in higher education. The primary goals of the RCAH Graduate Fellowship Program are to provide professional and career development opportunities outside of regular classroom instruction for a diverse group of graduate students as mentors, tutors, and group leaders in various aspects of the RCAH and to contribute directly to the scholarship of teaching, especially in the areas of the humanities,

world language proficiency, the visual and performing arts, and civic engagement. [Learn more and apply.](#)

UCAR NEXT GENERATION FELLOWSHIPS – 2022 | Due 05-16-22

The [Next Generation Fellowships](#) offer graduate students the opportunity to learn alongside leaders in their fields. Each two-year fellowship provides financial support for graduate school and two summer visits. The program offers three distinctive fellowship tracks: Earth System Science, Diversity, Equity & Inclusion and Public Policy. For more information, visit <https://www.ucar.edu/opportunities/fellowships/ucar-next-generation-fellowships>.

Bailey Scholar Program Graduate Fellowship | Deadline: 04-1-22

The Bailey Scholars Program is offering the opportunity for graduate students (Master's and PhD) in any discipline to apply to be a Graduate Fellow with the program to further their development in the scholarship of teaching and learning. There are two primary convener roles available for fellows in the 2022-23 academic year: Teaching & Learning or Administrative Convener. ALL graduate fellows will be part of a research learning community, where they conduct a team research project 2022-23 academic year. [Learn more and apply.](#)

Instrumentation Discovery Travel Grants | Due 04-15-22

CUAHSI's Instrumentation Discovery Travel Grant (IDTG) program enables scientists to learn the details of hydrologic instrument installation, operation, maintenance, and data processing by visiting experts or scheduling reverse site visits. Applicants from traditionally under-served institutions, primarily undergraduate institutions, students at all levels, and early career faculty are encouraged to apply for an IDTG. Applications will be accepted through April 15, 2022. Learn more [here](#).

Call for 2022-2023 Cultural Heritage Informatics Graduate Fellows | Due 05-09-22

Applications for the 2022-2023 Cultural Heritage Informatics Grad Fellowship program are now open. The program is open to any MSU grad students (MA or PhD) interested in the application of digital methods and computational approaches to cultural heritage materials, collections, data, questions, and challenges. For information on the Cultural Heritage Informatics Grad Fellowship program, please review attached call for applicants or visit <http://chi.anthropology.msu.edu/fellowships>. For further information, please contact Ethan Watrall (watrall@msu.edu)

Bailey Scholar Program Graduate Fellowship | Due 04-1-22

The Bailey Scholars Program is offering the opportunity for graduate students (Master's and PhD) in any discipline to apply to be a Graduate Fellow with the program to further their development in the scholarship of teaching and learning. There are two primary convener roles available for fellows in the 2022-23 academic year: Teaching & Learning or Administrative Convener. ALL graduate fellows will be part of a research learning community, where they conduct a team research project 2022-23 academic year. [Learn more and apply.](#)

Internship and Fellowship Opportunities at Oak Ridge Institute for Science and Education (ORISE)

The Oak Ridge Institute for Science and Education (ORISE) is accepting applications for internship and fellowship opportunities at U.S. Department of Defense research facilities nationwide. These are mostly

postdoctoral, but there are opportunities for holders of Bachelors, Masters, and Doctoral degrees. [Learn more here.](#)

Aitch Foundation Graduate Fellowship Opportunity in Cancer Research | 04-29-22

The Aitch Foundation (www.aitchfoundation.com) and Michigan State University's Office of Research and Innovation invite applications for graduate assistantships in cancer research. This year we are happy to announce there will be a total of three awards. The total amount of support for each fellowship will be \$30,000 for a 12-month period. Funding announcements will be made in July 2022. The Aitch Foundation funds may be used to provide a graduate assistantship, but additional support for fringe benefits (tuition, fees, insurance) will not be provided, and it is expected that supplemental support will come from the research mentor. Eligible applicants must be current graduate students at Michigan State University who are conducting research in one of the following programmatic areas: *early cancer detection and diagnostics; genetic and cellular changes contributing to tumor development; or the identification of new cancer targets or therapeutic agents*. The expectation is that the student will devote the majority of his/her time to research, and candidates must therefore have successfully completed their preliminary exam before the start date of the assistantship. Applications should include a CV, a letter of support from the mentor/thesis advisor, and a two-page research narrative, by Friday, April 29th at 5 pm to proposal@msu.edu. The research narrative should focus on the importance of the research in meeting one or more of the stated goals of the program, and the plan for work to be undertaken during the year of funding. A faculty advisory committee will select the top applicants, based upon research accomplishments, potential for future contributions to cancer research and programmatic fit. Final selection of the Aitch Fellow will be made by the Board of the Aitch Foundation. The successful applicant will be asked to make a presentation on their research to the Aitch Foundation Board at the end of their Fellowship year. For questions contact Charles Hasemann (haseman1@msu.edu, 884-2367).

DOE's Office of Science is Now Accepting Applications for Office of Science Graduate Student Research (SCGSR) Awards | Due 05-04-22 (5 PM)

The Department of Energy's (DOE) Office of Science is pleased to announce that the Office of Science Graduate Student Research (SCGSR) program is now accepting applications for the 2022 Solicitation 1 cycle. The SCGSR program supports awards to outstanding U.S. graduate students to conduct part of their graduate thesis research at a DOE national laboratory or host site in collaboration with a DOE laboratory scientist — with the goal of preparing graduate students for scientific and technical careers critically important to the DOE Office of Science mission. The research opportunity is expected to advance the graduate students' overall graduate theses while providing access to the expertise, resources, and capabilities available at the host DOE laboratories. SCGSR is open to current Ph.D. students in qualified graduate programs at accredited U.S. academic institutions, who are conducting their graduate thesis research in targeted areas of importance to the DOE Office of Science.

Women's and Gender Studies Dissertation Fellowships | Due 4-11-22

The Center for Gender in Global Context is pleased to announce a call for applications for our 2022-2023 Women's and Gender Studies (WGS) dissertation fellowships. Six fellowships of up to \$10,000 will be awarded to PhD students pursuing dissertation research projects that focus on topics substantially involving women, gender, or sexuality - [examples of recently funded projects are listed here](#). Projects in

both the research stage as well as writing/completion stages will be funded. Full eligibility details and application requirements can be found here: <https://gencen.isp.msu.edu/graduate-students/funding/>.

Gloria Barron Wilderness Society Scholarship | Due 04-29-22

[The Wilderness Society](#), a leading conservation organization based in Washington, D.C., awards \$25,000 each to two currently enrolled graduate students to support their research and preparation of a paper on an aspect of wilderness. T. A. Barron created the Gloria Barron Wilderness Society Scholarship in honor of his mother, Gloria Barron, a dedicated educator and tireless advocate for wilderness protection. For more information on the scholarship and how to apply, click [here](#). The Wilderness Society is currently accepting applications.

Women's and Gender Studies Dissertation Fellowships | Due 04-11-22

The Center for Gender in Global Context is pleased to announce a call for applications for our 2022-2023 Women's and Gender Studies (WGS) dissertation fellowships. Six fellowships of up to \$10,000 will be awarded to PhD students pursuing dissertation research projects that focus on topics substantially involving women, gender, or sexuality - [examples of recently funded projects are listed here](#). Projects in both the research stage as well as writing/completion stages will be funded. Full eligibility details and application requirements can be found here: <https://gencen.isp.msu.edu/graduate-students/funding/>.

New EPA Research Opportunities

The Oak Ridge Institute for Science and Education (ORISE) Internship/Research Participation Programs at the U.S. Environmental Protection Agency (EPA) are educational and training programs designed to provide college students, recent graduates, and university faculty opportunities to participate in project-specific EPA research, current environmental research, and developmental activities. Visit <https://orise.orau.gov/epa/current-research-opportunities.html>.

Workshops, Events, & Other Opportunities

2022 Rachel Carson Distinguished Lecture | Feeding the World Without Costing the Earth | 4-27-22 | 10:30 AM

Andrew Balmford, Professor of Conservation Science, University of Cambridge; Fellow, The Royal Society. Dr. Balmford focuses on how to reconcile biodiversity conservation with meeting human food needs and other land-demanding activities; the costs and benefits of retaining intact ecosystems; and identifying what works in conservation. He has published numerous high-impact articles and is the author of *Wild Hope: On the Front Lines of Conservation Success*. See attached for more details.

iFAST Microbial Ecology Symposium Celebrating MSU Professor James Tiedje's 80th birthday and honor his outstanding contributions to microbial ecology | 4/4-4/6/22

iFAST-Microbial Ecology is celebrating Dr. James Tiedje's 80th birthday by honoring his outstanding contributions to microbial ecology. This special symposium will be spread among three days, April 4-6, 2022, 2.5 hours each day (2:00-4:30pm UTC/GMT). See the attached for more details.

Global Change Seminar: The Great Urban Transition: Landscape and Environmental Changes from Siberia, Shanghai to Saigon | Dr. Peilei Fan | 04-06-22 | 1:00 PM

Join the MSU Center for Global Change and Earth Observations on Wednesday, April 6, 2022, at 1:00 PM for their next session of the CGCEO Research Seminar Series as they welcome CGCEO Interim Director Dr. Peilei Fan. This talk is based on Dr. Fan's forthcoming book (Springer Nature), which examines the (sub)urbanization process of seven transitional economies in Southeast, East, and North Asia (SENA), i.e., Siberia of Russia in North Asia, China, and Mongolia in East Asia, and Cambodia, Lao PDR, Myanmar, and Vietnam in Southeast Asia. Learn more and register at <http://globalchange.msu.edu/events/2022-04-06.html>.

Global Change Seminar: The Great Urban Transition: Global Satellite Monitoring of Fire from Space: Past, Present and Future | Dr. David Roy | 05-04-22 | 1:00 PM

Join the MSU Center for Global Change and Earth Observations on Wednesday, May 4, 2022, at 1:00 PM for their next session of the CGCEO Research Seminar Series as they welcome Dr. David Roy. Professor Roy has undertaken fire monitoring research as a member of the NASA MODIS, NASA VIRS, and USGS Landsat science teams for >20 years and is the co-chair of the international GOCF/GOLD Fire Implementation Team. His presentation will overview: the need for space-based fire monitoring to document past fire activity and contextualize contemporary activity due to anthropogenic and climate change, space agency fire monitoring from coarse resolution geostationary and polar-orbiting satellite systems, current progress using medium resolution polar-orbiting systems, validation fieldwork in Africa and Australia, and the current revolution in the use of commercial high-resolution satellite data with machine learning for space-based fire monitoring. Learn more and register in advance at <http://globalchange.msu.edu/events/2022-05-04.html>.

Cookies from the President | Week of April 4

Cookies from the President - Provost Woodruff | Monday, April 4, 2022 – 11:15 a.m. to noon As part of [Graduate and Professional Student Appreciation Week](#) (April 4 - 8, 2022), President Stanley and other senior administrators will be meeting with graduate and professional students around campus. Graduate and professional students are encouraged to attend one of the three sessions. On April 4, join Provost Woodruff at 110 Chittenden Hall from 11:15 a.m. to noon for cookies, giveaways, and more. This event is limited to 60 attendees who will be selected on a first-come-first-serve basis. Registration is required. [Learn more and RSVP here](#).

Cookies from the President - Senior Associate Provost Jeitschko | Tuesday, April 5, 2022 – 2 p.m. to 2:45 p.m. As part of [Graduate and Professional Student Appreciation Week](#) (April 4 - 8, 2022), President Stanley and other senior administrators will be meeting with graduate and professional students around campus. Graduate and professional students are encouraged to attend one of the three sessions. On April 5, join Senior Associate Provost Jeitschko at C-9 Owen Hall from 2 p.m. to 2:45 p.m. for cookies, giveaways, and more. This event is limited to 30 attendees who will be selected on a first-come-first-serve basis. Registration is required. [Learn more and RSVP here](#).

Cookies from the President - President Stanley | Wednesday, April 6, 2022 – 2:30 p.m. to 3:30 p.m. As part of [Graduate and Professional Student Appreciation Week](#) (April 4 - 8, 2022), President Stanley and other senior administrators will be meeting with graduate and professional students around campus.

Graduate and professional students are encouraged to attend one of the three sessions. On April 6 join President Stanley at 1425 Biomedical & Physical Sciences from 2:30 p.m. to 3:30 p.m. for cookies, giveaways, and more. This event is limited to 65 attendees who will be selected on a first-come-first-serve basis. Registration is required. [Learn more and RSVP here.](#)

GPSAW: Trivia Contest | 04-08-22 | 3 p.m. to 6 p.m.

To round out Graduate and Professional Student Appreciation Week, join us in Chittenden Hall for a fun game of trivia. Trivia topics will range from history and geography all the way to sports, music, and television. Prizes will be awarded to the contest winners. [Learn more.](#)

Certification in College Teaching Institute 2022

The Certification of College Teaching Institute is being held in May. We will have a Zoom Information Session on May 9 from 5 to 6:30 p.m. and in-person workshops on May 12 and 13 in the STEM Teaching Facility. This workshop series will help doctoral students, MMs, MFAs, and postdocs to fulfill workshop requirements towards the Certification of College Teaching program. Those interested in attending can [learn more and register here](#). Please note, there is a \$20 registration fee that will help offset some of the costs for materials and lunch. For any questions or concerns, please don't hesitate to reach out to me at stbaier@msu.edu. See attached for more details.

MSU Science Festival Volunteer Opportunities

Help bring the 10th annual MSU Science Festival to life! We are currently accepting volunteer applications for the Science Festival Street Team, as well as this year's Science in the Gardens event, which takes place on both Saturday, April 9th and Sunday, April 10th. Visit <https://sciencefestival.msu.edu/get-involved/volunteer>

FRIB Advanced Gateway Series: "Knocking on Heaven's Door" | 04-03-22 | 1:00 p.m.

FRIB is hosting Lisa Randall, the Frank B. Baird Jr. Professor of Science at Harvard University, for a special talk titled "Knocking on Heaven's Door" as part of its [Advanced Studies Gateway initiative](#). The [free public event](#) will take place at 1 p.m. on Sunday, 3 April, via Zoom. Those interested in attending can register for the event [online](#). Randall studies theoretical particle physics and cosmology at [Harvard University](#). Read more about Dr. Randall's background and more details about the event on the [FRIB event page](#).

Climate Conversations: Sea Level Rise | 04-21-22 | 3:00-4:00 ET

Join us for a conversation about how to respond to the rising seas already threatening people, infrastructure and property on US coastlines. People, infrastructure, and property along U.S. coastlines are already threatened by rising seas, which are [projected](#) to rise by an additional foot on average in the next 30 years. Join us for a conversation about how coastal managers and communities are experiencing and responding to sea level rise now, and how they are planning for the future. The conversation will be

webcast on the [Climate Conversations: Sea Level Rise webpage](#) on Thursday, April 21, 2022 from 3-4pm ET. Closed captioning will be provided. The conversation will include questions from the audience and will be recorded and available to view on the page after the event. [Climate Conversations: Pathways to Action](#) is a monthly webinar series from the National Academies of Sciences, Engineering, and Medicine that aims to convene high-level, cross-cutting, nonpartisan conversations about issues relevant to national policy action on climate change.

Campus Convening on Climate Change | SAVE THE DATE | 04-20-22

The MSU community is invited to participate in a campus convening on the impacts of climate change on our world, our food, and our people. Michigan State is uniquely positioned to approach this topic from several disciplinary angles, and all faculty, staff and students are welcome to attend and provide input. The MSU Strategic Plan 2030 outlines several research thrusts. This is the first meeting in a series around climate change and more series will be scheduled on additional research priorities. The full-day event will be highly interactive as attendees will participate in facilitated breakout sessions with a goal of identifying short- and long-term projects and developing a robust plan for moving forward. Learn more on the [event page](#).

APIDA Heritage Month

The month of May is Asian American and Pacific Islander Heritage Month in the United States—a time to celebrate the diverse identities, histories, and experiences of all Asian Americans and Pacific Islanders. Join Michigan State University in learning about and celebrating the Asian Pacific Islander Desi American community during APIDA Heritage Month 2022! This year the celebration will span between the months of March and April and the events have been intentionally planned and coordinated in collaboration with offices, departments, student organizations, and alumni with an outcome of celebrating the unique culture, traditions, and rich history of the Asian Pacific Islander Desi American community. Find an opportunity on the [MSU APIDA calendar of events](#).

Climate Intersections Conference | Duluth, MN | 07/12-14/22

This conference has a theme of adapting local communities to extreme weather and creating resilient agricultural systems in a changing climate. The conference covers topics that provide solutions that combat inequity caused by climate change and ensure the well-being of people. In addition, this conference provides an opportunity to connect with water professionals in the area of water, climate, and natural resources within the North Central Region. [Climate Intersections Conference - North Central Region Water Network \(northcentralwater.org\)](#)

ASABE Global Conference - the Sustainable Energy for a Sustainable Future | Costa Rica | 10/24-26/22

A fast-growing world population, estimated to reach 9.1 billion in 2050, coupled with megatrends such as rapid urbanization and diet transformation will require nearly doubling of food production worldwide. While increasing food production is critical, issues such as water and energy security are equally important to ensure sustainability of the global food system while addressing climate change. The goal of the conference is to bring together agricultural and biological engineers and peers from academia, government, and industry including growers/farmers from across the world with local stakeholders to enable interdisciplinary dialogs among international scientists, business owners, and government agents to explore renewable energy technologies and innovations. It is expected that

partnerships will be developed among individuals and organizations to address issues and barriers that are most relevant to local/regional energy security. The conference scope includes innovative renewable energy production technologies; agriculture and circular bioeconomy for sustainable energy production; distributed renewable energy systems and global climate change; food-energy-water nexus; social, environmental and economic perspectives of energy security. Please visit the conference website at: www.energy.asabe.org to submit your abstracts. The deadline for abstract submission is April 15, 2022. Conference is being co-chaired by Dr. Ajit Srivastava and Wei Liao from MSU.

Rigor and Reproducibility (3393-ILT) | 04-05-22 | 6-7 PM

NIH and other funding agencies are requiring comprehensive strategies for proper research methods and procedures, and the presentation of research data. These include applying rigor, minimizing bias, and maximizing reproducibility in all efforts. This workshop will discuss means by which to address these within research. The primary principles covered within this session are rigor and reproducibility. [Register here.](#)

Navigating the PhD Workshop (Session 1) | 04-08-22 | 9 AM – 12 PM

This interactive online writing workshop is designed to help you develop an individualized plan for graduate writing, especially comprehensive exams, dissertation proposals, and dissertations. Session 1 is generally designed for students in the early years of their PhD study. [Learn more and register here.](#)

Navigating the PhD Workshop (Session 2) | 04-08-22 | 1-4 PM

This interactive online writing workshop is designed to help you develop an individualized plan for graduate writing, especially comprehensive exams, dissertation proposals, and dissertations. Session 2 is designed for students in the latter years of their PhD study. [Learn more and register here.](#)

Handling Conflict using Compassionate Communication: The Outer Work | 04-13-22 | 6-7:30 PM

Graduate Student Life & Wellness, in collaboration with the MSU University Ombudsperson, is excited to bring you the Compassionate Communication series that will enhance your understanding and ability to handle conflict in an effective and authentic way. Join us virtually for any or all of this three-part series. The focus of this third session shifts from the inner work to the outer work of handling conflict. Participants will discuss how to express themselves authentically during conflict. They will also examine the strength of utilizing empathic approaches. [Register here.](#)

Graduate School Write-In | 04-15-22 | 9 AM-12 PM

Graduate School Write-Ins are co-sponsored by the Graduate School and The Writing Center @ MSU. The write-ins are hosted and facilitated to provide writers with an opportunity to write in a shared writing space where other writers are present, and a writing center consultant/staff member is present to provide consultations for writers who would like to have a consultation appointment during the session. [Learn more and register here.](#)

Responsible Conduct of Research, Scholarship and Creative Activity (RCRSCA): Workshop Series

This workshop series is intended to support the efforts of departments and graduate programs in fostering responsible research/scholarly practices. The expectation is that student/trainee

research/scholarship will be of higher quality, and that students/trainees will be better able to avoid and respond to situations involving irresponsible research/scholarly practices and behaviors.

2022 Black Students Lead Spring Virtual Conference | 04-09-22 | 10 AM – 5 PM

The Black Students Lead Leadership Conference is the largest national gathering of Black Student Leaders and campus-based advisors to address the most critical topics of diversity and social justice challenging our Black student's community within colleges and universities. [Learn more and register here.](#)

Spring 2022 AUCA Virtual Career Events

AUCA will be hosting a series of Spring career events from mid-March to mid-April for Chinese students who are studying in the U.S. All events will be virtual. Participating employers include L'Oreal China, Tencent, Huatai Securities, Sinolink Securities, BlackRock, P&G, Mars, Unilever, JD.com, ByteDance, Deloitte, PwC, Philips, AstraZeneca, etc. You can find specific event schedule below and in the attached flyer. Learn more and register: <http://aucaevents.mikecrm.com/cDdwTCP>.

Community-Engaged Scholarship Write-Ins | 04-1-22 | 9 AM-12 PM

Is working from home making it hard to find writing time? Would scheduling regular, specific times to write about your outreach or engagement work be helpful? If so, please join us on the first Friday of each month for three hours of dedicated time to advance your scholarship. Participants should plan to write for the full three hours. Write-Ins are free, but registration is required. [Learn more and register here.](#)

Complete Your Grad Student Tax Return (and Understand It, Too!): A Webinar Offered by COGS – Sign up today!

Are you intimidated by the prospect of preparing your grad student tax return? Are you confused by the tax forms you received from your institution or funding agency – or the forms you didn't? This workshop breaks down how to calculate your taxable income from your salary, stipend, fellowship, grant, and/or scholarships; minimize your tax liability using education tax benefits; and report your income, qualified education expenses, and estimated tax paid on your tax return. It also touches on the special tax situations that may apply to students under age 24. This workshop, presented by Dr. Emily Roberts, personal finance educator specializing in early-career PhDs, is appropriate for US citizens, permanent residents, and residents for tax purposes, and comprises pre-recorded videos, worksheets, and live Q&A calls. COGS is offering this webinar FREE for the first 40 MSU graduate & professional students to register. *After the first 40, registrants will be put on a waitlist as additional spots may be added to accommodate. See the attached for more details.

RSAI Call for submissions: 2022 RSAI Best Dissertation in Regional Science | Due 07-31-22

The Regional Science Association International (RSAI) invites submissions for the annual competition for the Best Doctoral Dissertation in Regional Science. Regional science is an interdisciplinary field concerned with theory, method, and application of regional, urban and rural, geographic and spatial investigations and analyses. The winner will be decided by the Selection Committee and will receive a cash award of 750 Euros (~\$850). Award announcements will be made at the North American Meetings of the RSAI, where participants in the competition are strongly encouraged to be present. The Selection

Committee reserves the right to not make an award. Decisions made by the Selection Committee are final. <http://www.regionalscience.org/index.php/awards/rsai-dissertation-award.html>

Global Challenges University Alliance (GCUA) 2030 Courses | Enrollment Now Open

Enrollment has opened for four Global Challenges University Alliance (GCUA) courses. The courses are targeted to Ph.D. students, although other graduate students and staff are also welcome to express interest. The courses will initially run between April and November 2022 and can be taken as a full package or as individual courses. Learn more about this opportunity here. See the course catalog for enrollment and further information: GCUA 2030 (canvaslms.com). All courses are free of charge for participants affiliated to a GCUA 2030 university (when enrolling just apply the promotional code: GCUA2030). MSU is affiliated with GCUA 2030.

Broader Impacts Spring Workshops | Multiple Dates

University Outreach and Engagement and the Office of Research and Innovation are excited to announce [a series of workshops](#) this spring semester designed to help faculty, students, and staff understand and effectively respond to the National Science Foundation's broader impacts criterion. In this panel discussion, Dr. Angela Wilson, John A. Hannah Distinguished Professor of Chemistry and former director of the Chemistry Division of the National Science Foundation, and faculty members who have won CAREER awards offer their insights into how to write successful CAREER proposals that integrate their research and education plans.

AGS International Graduate Student Conference 2022 Call for Papers | 04-29-22

The Post-Covid World Dis/Order - Opportunities and/or Challenges?

The American Graduate School in Paris is hosting a conference for international graduate titled "The Post-Covid World Dis/Order - Opportunities and/or Challenges?" on April 29, 2022. The goal of the conference is to identify and discuss the pandemic's systemic challenges within international relations, as well as formulate tools, methods and perspectives with which to carve a new path forward. Attached is the official Call For Papers (including updated submission dates/deadlines) highlighting the details of the 2022 conference. The AGS has extended the deadline for Abstract submissions, which are now due by 7 p.m. on Monday, February 21, 2022. While the call for papers provides suggested themes, should your research provide an alternative perspective that might be suitable for the topic of discussion, your submissions are welcome! For questions, you may contact the AGS at conference@ags.edu.

Great Lakes Water Infrastructure Conference | May 10-11, 2022

Mark your calendars now to join the Michigan Department of Environment, Great Lakes, and Energy on May 10 and 11, 2022, for a virtual conference featuring such topics as funding and finance mechanisms, environmental health, water infrastructure planning and reinvestment, innovative water quality solutions, green infrastructure techniques, and communications practices. This conference is intended for local drinking water and wastewater administrators and professional staff, planning officials, consultants, federal, state, and local governments, policy makers, and anyone in the Great Lakes region interested in moving our aging infrastructure into the future. Learn more at <https://egle.idloom.events/great-lakes-water-infrastructure-conference>.

Hanover Forest Science Seminar Series | Spring 2022

We are excited to announce we will be continuing our [Hanover Forest Science Seminar Series](#) Spring semester 2022 and have an outstanding lineup of interesting speakers for you. All seminars this semester will be broadcast over Zoom. Please see this year's in the attached flyer or the link above – we hope you can all attend!

Job Opportunities

Two PhD-positions in agricultural ecology and economy, Uppsala, Sweden

The Department of Ecology and the Department of Economy at the Swedish University of Agricultural Sciences announce two PhD-candidate positions: in agricultural ecology and economy placed in Uppsala, Sweden. The students will together investigate how ecological and economic efficiencies change across farms implementing agroecological practices such as diverse crop rotations, cover crops, reduced tillage and reduced nitrogen and pesticide use. The project provides the opportunity to work with actors in the entire food value chain from farmer to consumer, including process industry and retail in the effort to extract added value from sustainable farming and assess capacity for upscaling. For more information contact Prof Riccardo Bommarco <Riccardo.Bommarco@slu.se> or Helena Hansson Helena.Hansson@slu.se

Ecology deadline 6 May

<https://www.slu.se/en/about-slu/work-at-slu/jobs-vacancies/?rmpage=job&rmjob=6446&rmlang=UK>

Economy deadline 22 April

<https://www.slu.se/en/about-slu/work-at-slu/jobs-vacancies/?rmpage=job&rmjob=6351&rmlang=UK>

Environmental Reporting Summer Internship

WKAR is seeking a student reporter to produce environmental stories and reports for WKAR-FM and MSU's Knight Center for Environmental Journalism. Based on interest and experience, environmental reporting interns serve in roles including reporter, audio producer, photojournalist, and more. Ideal candidates are pursuing studies in journalism and have previous reporting experience. This is a paid internship position for currently enrolled Michigan State University undergraduate or graduate students. Contact: Karel Vega, WKAR News Managing Editor kvega@wkar.org. This internship has been posted and approved on Handshake and can be found by searching job #6199082 or at: <https://app.joinhandshake.com/emp/jobs/6199082/details>

Faculty Funding Opportunities

Grant Opportunity: Latin America Regional Program | Department of the Interior | Fish and Wildlife Service | Due 05-02-22

For more details, see <https://www.grants.gov/web/grants/view-opportunity.html?oppld=338830>



ESPP SUMMER RESEARCH FELLOWSHIP PRESENTATIONS

APRIL 7, 2022 | 2:30 – 3:30 PM

EXPLAINING CONSERVATION BEHAVIORS TO
REDUCE WILDLIFE CRIME: A CROSS-NATIONAL
AND THEORETICAL COMPARISON

APOORVA JOSHI | PH.D. CANDIDATE
JOURNALISM



MECHANISMS OF INSECTICIDE REMOVAL ON A
ROWCROP FARM WITH PRAIRIE STRIPS

CORINN RUTKOSKI | PH.D. CANDIDATE
INTEGRATIVE BIOLOGY



REGISTER IN ADVANCE:

<https://espp.msu.edu/events/2022-04-07.html>





PATHWAYS TO DEEP DECARBONIZATION: HOW CAN WE MODEL REALISTIC AND ROBUST STRATEGIES?

ABSTRACT

How to achieve deep decarbonization in the next few decades? Integrated assessment modeling methods (IAMs) have been used to assess future decarbonization pathways and their implications on cost and the environment. While most IAMs still focus on idealized policies, real-world decisions need to balance competing objectives, manage future uncertainties, and ensure political feasibility. In this talk, I will discuss our recent efforts to advance IAMs by: a) adding decision science methods to identify robust strategies under future uncertainties, and b) adding social science insights to identify realistic strategies under political constraints. I will demonstrate a range of examples, from the cost of state-driven climate policy in the US to the unintended health effects from a global carbon price.



DR. WEI PENG
ASSISTANT PROFESSOR
PENN STATE UNIVERSITY

Wei Peng is an assistant professor of international affairs and civil and environmental engineering at Penn State. She uses computational models to quantify difficult tradeoffs of climate policies across social, political, and environmental aspects. Prior to her arrival at Penn State, Peng was a postdoc fellow at the Harvard Kennedy School. She earned her Ph.D. in science, technology, and environmental policy from Princeton University and her B.S. in environmental science from Peking University. Her research has been published in *Nature*, *Nature Climate Change*, *Nature Sustainability*, *PNAS*, among others. Visit her personal website (weipengenergy.com) to learn more.

TUESDAY
APRIL 12, 2022
2:00-3:30 PM

REGISTER IN ADVANCE AT
<https://bit.ly/3N9MczG>



THE GREAT URBAN TRANSITION: LANDSCAPE AND ENVIRONMENTAL CHANGES FROM SIBERIA, SHANGHAI, TO SAIGON

This talk is based on Dr. Fan's forthcoming book (Springer Nature), which examines the (sub)urbanization process of seven transitional economies in Southeast, East, and North Asia (SENA), i.e., Siberia of Russia in North Asia, China, and Mongolia in East Asia, and Cambodia, Lao PDR, Myanmar, and Vietnam in Southeast Asia. Great urban transformation that occurred in SENAs is discussed, as well as the transitional period which aggravated urban environments in SENAs cities and how 'institutional shift, enabled by movements of urban residents and transitional urban governance, may facilitate the process and improve the urban environmental condition. This research includes land cover and land use data derived from satellite images over the past thirty years and intensive field research in more than thirty cities exploring the rise of these great cities and their environmental challenges. Unlike in western countries, the current urbanization process in Asian transitional economies is a hybrid product of market logic and state legacy and intervention, with these influences sometimes conflicting and at other times enhancing each other under intensified globalization.



Image Credit: Peilei Fan

PEILEI FAN

Interim Director
Center for Global Change
and Earth Observations
Professor
School of Planning, Design
and Construction



Register in advance at:
<https://bit.ly/3JjcNln>

WEDNESDAY

04.06.22

1:00 PM





**MSU Center for
Systems Integration and Sustainability**

2022 Rachel Carson Distinguished Lecture



Feeding the World Without Costing the Earth

Andrew Balmford

*Professor of Conservation Science, University of
Cambridge; Fellow, The Royal Society*

Dr. Balmford focuses on how to reconcile biodiversity conservation with meeting human food needs and other land-demanding activities; the costs and benefits of retaining intact ecosystems; and identifying what works in conservation. He has published numerous high-impact articles and is the author of *Wild Hope: On the Front Lines of Conservation Success*.

Wednesday, April 27 • 10:30 a.m.

[Zoom link](#)

The Rachel Carson Distinguished Lecture is presented by the Center for Systems Integration and Sustainability and the Department of Fisheries and Wildlife at Michigan State University. Support is provided by the National Science Foundation.

[Read the lecture abstract and learn more about Dr. Balmford](#)

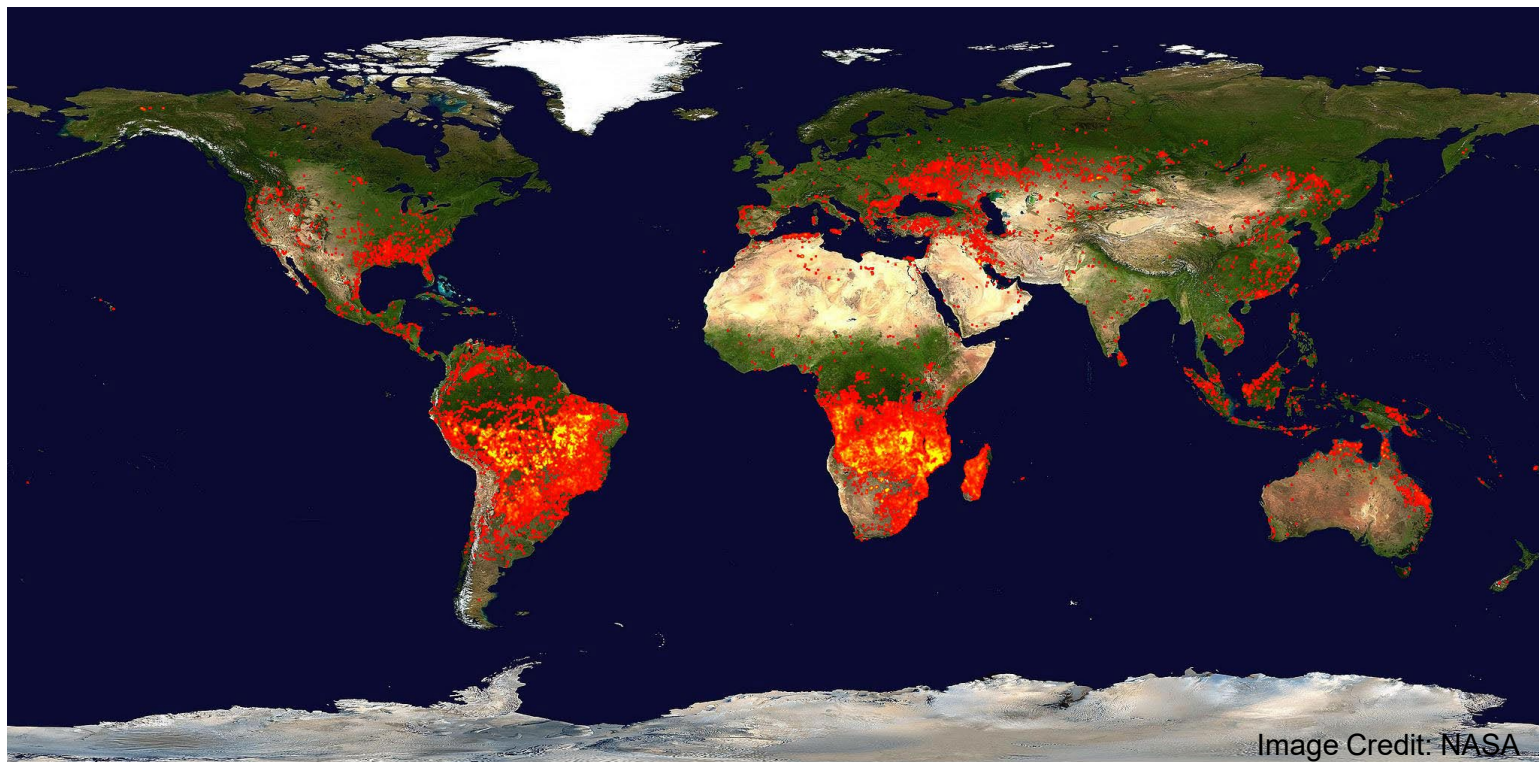


Image Credit: NASA

GLOBAL SATELLITE MONITORING OF FIRE FROM SPACE: PAST, PRESENT AND FUTURE

Professor Roy has undertaken fire monitoring research as a member of the NASA MODIS, NASA VIRS, and USGS Landsat science teams for >20 years and is the co-chair of the international GOFC/GOLD Fire Implementation Team. His presentation will overview: the need for space-based fire monitoring to document past fire activity and contextualize contemporary activity due to anthropogenic and climate change, space agency fire monitoring from coarse resolution geostationary and polar-orbiting satellite systems, current progress using medium resolution polar-orbiting systems, validation fieldwork in Africa and Australia, and the current revolution in the use of commercial high-resolution satellite data with machine learning for space-based fire monitoring.

DAVID ROY

Professor
Department of Geography,
Environment and Spatial
Sciences &
Center for Global Change
and Earth Observations

WEDNESDAY

05.04.22

1:00 PM

Register in advance at:

<https://bit.ly/3J5Dgch>



iFAST Symposium Microbial Ecology

To celebrate Professor James Tiedje's 80th birthday and honor his outstanding contributions to microbial ecology

Professor James Tiedje is University Distinguished Professor Emeritus of Microbiology and Molecular Genetics and of Plant, Soil and Microbial Sciences at Michigan State University, and was director of the Center for Microbial Ecology for 30 years. His contributions have been on microbial ecology, physiology and diversity, especially regarding the nitrogen cycle, biodegradation of pollutants and on the use of genomics and metagenomics to understand speciation, community structure and functions. He served as editor-in-chief of *Applied and Environmental Microbiology* and editor of *Microbial and Molecular Biology Reviews* and *mBio*. He served on the Board on Life Sciences of the National Research Council, EPA's Science Advisory Panel and on DOE's Biological and Environmental Research Advisory Committee. He was president of the American Society for Microbiology and the International Society of Microbial Ecology. He has received numerous awards, including UNESCO's Carlos J. Finlay Prize in microbiology and ASM's Applied and Environmental Research Award. He is a member of the U.S. National Academy of Sciences and a Fellow of the AAAS, the American Academy of Microbiology, the Ecological Society of America, and the Soil Science Society of America.



Mon Apr 4

Tue Apr 5

Wed Apr 6

10 a.m. – 12:30 p.m. EDT
2 – 4:30 p.m. GMT
10 p.m. – 12:30 a.m. China

Microbial Ecology

Niels Peter Revsbech
Yoichi Kamagata
Fengping Wang
Andreas Schramm
Ederson Jesus
Daliang Ning
Maggie Yuan
Vincent Deneff

Environ. Microbiol. & Ecosystem

Joshua Schimel
Gupta Vadakattu
Claudia Etchebehere
Tong Zhang
Jianzhong He
Jennifer Pett-Ridge
Marius Vital
Konny Smalla

Comput. Biol. & Engagement

Philip Robertson
Patrick Chain
Kostas Konstantanidis
Ruonan Wu
Arturo Massol
Mary Beth Leigh
James Tiedje

Speakers

Organizing committee



Mary Firestone Philip Robertson Charles Rice Janet Jansson Jizhong Zhou Kristian Brandt Adina Howe

Zoom Link - <https://zoom.us/j/93481422012>

Symposium website - <https://www.ou.edu/ieg/seminars/ifast2204>

iFAST series chair: Jizhong Zhou (University of Oklahoma, USA), Xueduan Liu (Central South University, China)

The University of Oklahoma is an equal opportunity institution. www.ou.edu/eoo

iFAST Symposium Microbial Ecology

To celebrate Professor James Tiedje's 80th birthday and honor his outstanding contributions to microbial ecology

**Apr
4**

Microbial Ecology

10 a.m.	Introduction: Mary Firestone	University of California, Berkeley
10:10 a.m.	Keynote: Niels Peter Revsbech	Aarhus University, Denmark
	How Measurements at High Spatial Resolution Have Improved Our Understanding of the Nitrogen Cycle	
10:40 a.m.	Yoichi Kamagata	Hokkaido University, Japan
	What I Learnt from Syntrophy	
10:55 a.m.	Fengping Wang	Shanghai Jiao Tong University, China
	Ecological Roles and Life Strategy of Archaea in Marine Sediments	
11:10 a.m.	Andreas Schramm	Aarhus University, Denmark
	Electrically Conductive Cable Bacteria in Nitrogen Cycling	
11:25 a.m.	5-minute break	
11:30 a.m.	Ederson Jesus	Embrapa, Rio de Janeiro, Brazil
	Bacterial Diversity in the Amazon Forest Floor: from Basics to Applied	
11:45 a.m.	Daliang Ning	University of Oklahoma
	Reasons and Chance: Quantifying Microbial Community Assembly Mechanisms	
Noon	Maggie Yuan	University of California, Berkeley
	Microbial Mediation of Grassland C Cycle: Stories from in the Field	
12:15 p.m.	Vincent Denef	University of Michigan
	Algal Microbiomes Alter Competitive Interactions between Their Hosts	

U.S. Eastern Time



INSTITUTE FOR ENVIRONMENTAL GENOMICS
The UNIVERSITY of OKLAHOMA



中南大學
CENTRAL SOUTH UNIVERSITY

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iFAST Symposium Microbial Ecology

To celebrate Professor James Tiedje's 80th birthday and honor his outstanding contributions to microbial ecology

**Apr
5**

Environmental Microbiology & Ecosystem

10 a.m.	Introduction: Charles Rice	Kansas State University
10:10 a.m.	Keynote: Joshua Schimel	University California, Santa Barbara
	The Democracy of Dirt: Relating Micro-Scale Dynamics to Macro-Scale Ecosystem Function	
10:40 a.m.	Gupta Vadakattu	CSIRO, Australia
	Disease Suppression: Composition, Complexity or Functional Capacity of Soil Microbiomes	
10:55 a.m.	Claudia Etchebehere	Biological Research Institute Clemente Estable, Uruguay
	Chloroflexi in Wastewater Treatment Systems: Threats or Guardians of the Ecosystem?	
11:10 a.m.	Tong Zhang	Hong Kong University, China
	Antibiotics Resistance Genes as Emerging Pollutants from Wastewater Treatment Plants	
11:25 a.m.	5-minute break	
11:30 a.m.	Jianzhong He	National University of Singapore
	Microplastic Hotspots for Microbial Reductive Dehalogenation	
11:45 a.m.	Jennifer Pett-Ridge	Lawrence Livermore National Laboratory; University of California, Merced
	Fungi and Friends: the Role of Fungal-Bacterial Interactions in Rhizosphere Biogeochemistry	
Noon	Marius Vital	Hannover Medical School, Hannover, Germany
	The Good, the Bad and the Neutral of Human Gut Microbiota	
12:15 p.m.	Kornelia Smalla	Institute for Epidemiology and Pathogen Diagnostics, Germany
	Antibiotic Resistance Genes and Mobile Genetic Elements in Soil and Plant Bacteria	

U.S. Eastern Time



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**Apr
6**

Computational Biology & Engagement

10 a.m.	Introduction: Janet Jansson	Pacific Northwest National Laboratory
10:10 a.m.	Keynote: G. Philip Robertson	Michigan State University
	When Push Comes to Shove: Scaling Microbial Processes	
10:40 a.m.	Patrick Chain	Los Alamos National Laboratory
	Diving Deep into Microbial Genomic Data – Big Findings in Small Fungi, Bacteria, and Viruses	
10:55 a.m.	Kostas Konstantinidis	Georgia Institute of Technology
	The Quest for What a Species Is: from the CME Time to Present	
11:10 a.m.	Ruonan Wu	Pacific Northwest National Laboratory
	Unearthing Soil Viruses	
11:25 a.m.	5-minute break	
11:30 a.m.	Arturo Massol	University of Puerto Rico, Mayaguez
	Science for Constructive Insurgency in Times of Climate Change	
11:45 a.m.	Mary Beth Leigh	University of Alaska Fairbanks
	The Art of Microbiology: Community Engagement Through Art-Science Integration	
Noon	Adina Howe	Iowa State University
	Kristian Koefoed Brandt	University of Copenhagen, Denmark
	Photo show	
12:15 p.m.	James Tiedje	Michigan State University
	Transitioning Through Time: me and ME	
	Adjourning: Jizhong Zhou	University of Oklahoma

U.S. Eastern Time



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CERTIFICATION IN COLLEGE TEACHING INSTITUTE (CCTI) 2022

The Graduate School invites doctoral students, MMs, MFAs, and postdocs interested in working toward the Certification of College Teaching to join the CCTI 2022.

May 9, 2022 (Monday)

5:00 pm - 6:30 pm (Virtual)

Introduction and information to get started

May 12, 2022 (Thursday)

9:00 am - 4:00 pm (In-person)

Understanding the University Context & Writing your Teaching Philosophy

May 13, 2022 (Thursday)

9:00 am - 4:00 pm (In-person)

Creating Effective Learning Environments & Incorporating Technology in your Teaching

The in-person sessions will be held at the STEM Teaching and Learning Facility. Due to the interactive nature of the program, participants must attend all 3 sessions. There is a \$20 fee for registration.

grad.msu.edu/cctp

For any questions, contact stbaier@msu.edu



MSU GRADUATE SCHOOL



chi.anthropology.msu.edu

Call for 2022-2023 Cultural Heritage Informatics Graduate Fellowship Applications

APPLICATION DEADLINE: May 9, 2022

The Cultural Heritage Informatics Initiative invites applications for its 2022-2023 Cultural Heritage Informatics Graduate Fellowship program.

Fellowship Details

The Cultural Heritage Informatics Graduate Fellowship Program offer MSU graduate students the skills to creatively and thoughtfully apply digital methods and computational approaches to cultural heritage collections, materials, data, questions, and challenges.

While the fellowship, which spans an academic year, involves workshops, collaborative development work, and technical experimentation, the overall organizational focus of the fellowship is the development (either individually or collaboratively) of a significant and innovative digital cultural heritage project.

To support their work, fellows will receive a stipend of \$2500 per semester. In addition, fellows will have the opportunity to receive an additional \$1000 to expand their project during the summer. While applicants may have previous technical experience, such experience is not required to apply.

Framing Cultural Heritage

The focus of the Cultural Heritage Informatics Graduate Fellowship Program is the application of digital methods and computational approaches within cultural heritage. In its focus, the program leverages the definition of cultural heritage commonly used by UNESCO:

Material culture (artifacts and objects, monuments, structures, landscapes, etc) and intangible cultural attributes (oral traditions, language, ritual, social practices, traditional knowledge, performing arts, cuisine, etc) of a group, community, or society that are transmitted intergenerationally, used and maintained in the present, and preserved for future generations.

The fellowship is interested in both tangible and intangible cultural heritage. Students whose work or interest in the fellowship is driven by this particular framing of cultural heritage are encouraged to apply.

Fellowship Projects

The primary goal of the fellowship program is to provide an opportunity for participants to individually or collaboratively develop a significant and innovative digital cultural heritage. Projects might include (but are certainly not limited to) a mobile application, a digital exhibit, a digital archive, or a collaborative digital publication. The project must also have a significant public component. It is important to note that there is no single mechanism by which fellows will come to these projects. If applicants have an existing idea for a specific project, they are welcome to include that in their application statement. If applicants have an interest in a platform or technology (but no specific project in mind), they are encouraged to include that in their application statement. If fellows do not have a particular project or platform in mind, they will work with members of the Cultural Heritage Informatics Initiative in order to define a suitable project.

For more information on current CHI Graduate Fellow projects, visit the Cultural Heritage Informatics Initiative website (chi.anthropology.msu.edu)

Responsibilities

The Cultural Heritage Informatics Grad Fellowship carries the following obligations:

- All CHI Grad Fellows must attend the weekly meeting on Fridays from 1:30-3pm in LEADR (Old Hort 112) .
- All CHI Grad Fellows must be in-residence at LEADR for 10-3 each week on Fridays (part of this time will be dedicated to the fellowship program's weekly group meeting, while the rest of the time will be dedicated to collaborative/communal work between all of the fellows).
- All CHI Grad Fellows must complete a series of prerequisites (technical tutorials, readings, and exercises) before the beginning of the fellowship in the fall. Failure to complete these prerequisites by 8/26 will result in the fellowship offer being withdrawn
- All CHI Grad Fellows must write at least 1 substantive blog post per month on the CHI Website
- All CHI Grad Fellows must submit a project proposal at the end of the fall semester
- All CHI Grad Fellows must complete and launch their project by the end of the spring semester
- All CHI Grad Fellows must submit all final reporting materials after the launch of their fellowship project

Those students who are not able to meet these obligations should not apply.

Eligibility

In order to be eligible to apply for a Cultural Heritage Informatics Graduate Fellowship, applicants:

- must be enrolled and be in good academic standing in a graduate program at Michigan State University (either at the Masters or Doctoral level). A primary focus of their work must be cultural heritage (as defined above).
- must be enrolled (and remain enrolled) full-time in the year for which they are applying.
- must demonstrate positive progress in their graduate programs.

Awards will be made to individuals who demonstrate academic achievement, are committed to a career that embraces the application of digital methods and computational approaches, and show potential to make meaningful contributions in the domain of digital cultural heritage.

How to Apply

Applicants must complete and submit the following materials in order to be considered:

- A cover letter expressing their interest and introducing their motivations for applying.
- A current copy of their CV
- A brief statement (3 pages maximum) discussing the applicant's professional and scholarly goals, their interests in the application of digital methods in cultural heritage (broadly or specifically), and how the fellowship program will contribute to their professional & scholarly development.
- An *unofficial* copy of current transcripts

Applications should be submitted using the following form: <https://forms.gle/Vhoxhuf5fKQdWKoc9>

Please note, the application submission form requires that all users login with their MSU account. If you encounter a "You need permission" message, make sure you are logged out of your non-MSU google account. Please be sure to read and follow the direction included on the form about file formats and file naming.

Any questions can be directed to Ethan Watrall (watrall@msu.edu)

Application Deadline

Completed application package must be received by **5pm (EST) on May 9, 2022.**



2022-2023 Cultural Heritage Informatics Grad Fellowship Information Session

*Monday, May 2
10:30-11:30 EST*

Zoom (go to <https://msu.zoom.us/meeting/register/tJ0lf-6urjouGdl6enIVAQLfjnkKfJg1Vh86> to register)

Join Dr. Ethan Watrall (Associate Professor of Anthropology and Director of the Cultural Heritage Informatics Initiative) for a casual, virtual information session about the Cultural Heritage Informatics (CHI) Grad Fellowship Program. Attendees will be provided with an introduction to the fellowship program, including disciplinary and intellectual scope, expectations, activities, resources, and support. The session is open to any and all graduate students who are interested in finding out more about the CHI Grad Fellowship Program.

Hosted and administered by the Department of Anthropology in partnership with LEADR, the Cultural Heritage Informatics Graduate Fellowships offer Michigan State University graduate students the skills to thoughtfully apply digital methods and computational approaches to cultural heritage materials, collections, data, questions, and challenges.

For more information on the Cultural Heritage Informatics Grad Fellowship Program, visit <http://chi.anthropology.msu.edu/fellowships/>

For more information about the session or, please email Ethan Watrall at watrall@msu.edu



2022-2023 Cultural Heritage Informatics Grad Fellowship Information Session

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For more information about the session or, please email Ethan Watrall at watrall@msu.edu

BE 849

Quantitative Human Health Risk Modeling and Analysis for Microbial Stressors

Fall 2022 – 3 credits

Wednesdays: 1:50p – 4:40p

Location: Classroom (TBD) and Computer Lab (FAE 105)

This course aims to teach students a broad set of tools and modeling skills used in health based environmental risk assessment and analysis. This course will focus pathogenic microorganisms as stressors in multimedia environments including air, water, soil and food. However, the overarching framework and tools can be applied in other areas including chemicals. Students will learn basic methods to model deterministic and stochastic systems in R. We will build mathematical models to integrate data and knowledge across several disciplines in order to describe the pathogen occurrence, persistence, fate-and-transport, exposure and human responses to microbes in order to numerically estimate health risks. Exposure levels will be informed by environmental measurements, monitoring data and/or by models that characterize the magnitude, frequency, and duration of contact between stressor and receptors. Course will cover topics in microbiology, including kinetics, and methods of detection to understand pathogenic behavior in the environment as well as the disease process to model interactions with the human body. Formal risk assessment also mathematically combines these and other factors with a rigorous treatment of the relevant uncertainties to formulate estimates of risk useful for decision making. Students will have the opportunity to also evaluate risk management strategies using decision analytic tools, such as cost-benefit analysis.

Teaching Style: A combination of lecture, active and cooperative learning including weekly computer lab sessions, and project-based learning

Instructor: Dr. Jade Mitchell (jade@msu.edu)

Recommended Background:

Mathematics background including calculus I and calculus II or equivalent. Probability background including STT 441 OR STT 442 OR STT 351 or equivalent. Background in engineering, environmental science, toxicology, microbiology, food safety, and/or public health.



COGS Presents:

HOW TO COMPLETE YOUR GRAD STUDENT TAX RETURN (AND UNDERSTAND IT, TOO!)

A tax webinar for graduate & professional students

Are you intimidated by the prospect of preparing your grad student tax return? Are you confused by the tax forms you received from your institution or funding agency – or the forms you didn't? Dr. Emily Roberts' workshop breaks down how to calculate your taxable income from your salary, stipend, fellowship, grant, and/or scholarships; minimize your tax liability using education tax benefits; and report your income, qualified education expenses, and estimated tax paid on your tax return. It also touches on the special tax situations that may apply to students under age 24.

COGS has coordinated with Dr. Roberts to offer this webinar FREE for the first 40 MSU graduate & professional students to register. *After the first 40, registrants will be put on a waitlist as additional spots may be added to accommodate.

What it includes:

In addition to 11 videos, with transcripts, covering a full range of relevant topics and scenarios, this workshop includes invitations to at least one LIVE Q&A call per month throughout tax season. Live sessions are open to all workshop registrants and will be recorded. Videos include:

- Introduction
- Background
- Tax Preparation Methods
- Self-Assessment: Income
- Higher Education Tax Benefits
- Self-Assessment: Qualified Education Expenses
- Filling out forms
- If you were under Age 24
- If you are Class of 2021 (for Bachelor's)
- Off-Target Effects
- 2 Worksheets (PDF & Excel versions)
- Q& A session recordings

PRESENTED BY:

Dr. Emily Roberts

Special Finance Educator,
specializing in early-career
PhDs.

WORKSHOP IS FOR:

- US citizens, permanent residents, or residents for tax purposes
- Graduate/prof. students in 2021 (part-year included)
- Receive funding that pays a stipend and their education expenses (in part or in full)

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JAN 11

DOMINIK SEIDEL

“Structure-Function Relationships
in Trees and Forests: New Insights
from Fractal Analysis”



JAN 25

JAVIER QUEZADA EUAN

“Rainforests, Bees and Pollination
Services in the Yucatán
Península of México”



MAR 1

SAM COOK

“Linking Future Forests Students
to Greener Jobs”



MAR 29

PRAKASH NEPAL

“Impacts on Global Forests and Wood
Product Markets of Increased Mass
Timber Use in Buildings”



APR 12

SHIVAN GC

“Logging Sector in the Lake
States of Michigan, Minnesota,
and Wisconsin: Status, Issues and
Economic Potential”



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Attend one of MSUFCU's FREE online Financial 4.0 seminars today!

Get the Credit You Deserve

Wednesday, January 26, 2022 • 3:00 p.m. - 3:30 p.m.

Learn about establishing credit and the importance of credit cards. Also, get information on different loan options and the impact of interest.

Before You Start Investing

Tuesday, February 1, 2022 • 4:00 p.m. - 4:30 p.m.

Learn some of the basics of investing including an overview of apps and websites, investing terminology, and establishing a long-term plan for your future.

Renting vs. Buying

Thursday, February 10, 2022 • 3:00 p.m. - 3:30 p.m.

Learn to identify the best housing options based on your specific goals and financial plans.

Spending with Intention

Wednesday, February 16, 2022 • 4:00 p.m. - 4:30 p.m.

Learn to identify your spending style, ways to budget, and how to maximize your savings.

Scams Targeting You and Your Money

Tuesday, February 22, 2022 • 5:00 p.m. - 5:30 p.m.

Learn about new scams and ways to protect your identity with today's growing technology.

Networking to the Next Step

Thursday, March 3, 2022 • 4:00 p.m. - 4:30 p.m.

Learn about the importance of forming connections, as well as tips for networking and setting up your professional social media presence.

Conquering Student Loans

Tuesday, March 15, 2022 • 3:00 p.m. - 3:30 p.m.

Learn tips on taking out student loans and repayment strategies to help you control and conquer this debt.

Compensation, Benefits, and Retirement Planning

Wednesday, March 23, 2022 • 5:00 p.m. - 5:30 p.m.

Learn about life after college when it comes to comparing careers, compensation, and discovering the impact of benefits on your budget. We'll also cover how to start saving for your retirement.

Money and Emotions: The Relationship Between Wealth and Health

Thursday, March 31, 2022 • 3:00 p.m. - 3:30 p.m.

Learn how personal experiences relate to your financial health, along with the feelings and emotions that go along with saving and spending, and how this can affect your spending patterns and relationship with money.

Get the Credit You Deserve

Tuesday, April 5, 2022 • 4:00 p.m. - 4:30 p.m.

Learn about establishing credit and the importance of credit cards. Also, get information on different loan options and the impact of interest.

Before You Start Investing

Wednesday, April 13, 2022 • 3:00 p.m. - 3:30 p.m.

Learn some of the basics of investing. We'll cover apps and websites, investing terminology, and establishing a long-term plan for your future.

Spending with Intention

Thursday, April 21, 2022 • 5:00 p.m. - 5:30 p.m.

Learn to identify your spending style, ways to budget, and how to maximize your savings.

Join any of these FREE sessions via Webex!



SCAN THE QR CODE OR VISIT [FINANCIAL40.ORG](https://financial40.org)
TO FIND LINKS TO SESSIONS UNDER THE EVENTS TAB.