

FRIDAY, APRIL 7TH, 2023

The Graticule Weekly

UGA's Geography Newsletter



RESEARCH SPOTLIGHT

Dr. Deepak Mishra Contributes to New Study on Global Water Quality Monitoring



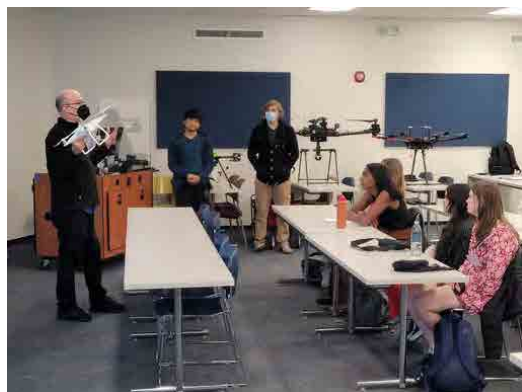
Dr. Deepak Mishra

UGA Geography professor, Associate Department Head, and Small Satellite Research Laboratory Director Dr. Deepak Mishra has shared a new study alongside 76 co-authors from around the globe. The study "[GLORIA - A globally representative hyperspectral in situ dataset for optical sensing of water quality](#)" was first published in February 2023 in *Nature Scientific Data*. According to Dr. Mishra, the purpose of this research is to establish the first global optical dataset for global water quality monitoring with the hope that the dataset will lead to large-scale global water remote sensing monitoring effects. The field data that comprises this research was collected from various inland waterbodies spanning the globe over a period of 30 years.

The culmination of this extensive research is generating significant interest online. A handful of the paper's authors recently penned a [blog post in the journal Nature](#) where they introduce the study's findings and also speak to the intensity of the field research that was required for this study. [Learn more about Dr. Mishra's research here!](#)

EXPLORING THE CENTER FOR GEOSPATIAL RESEARCH

Students and teachers from the Pope High School Globalization Academy recently toured the CGR/DiGTL for a research immersion experience. During their visit, students learned about developments in remote sensing based on drones and satellites, as well as selected applications in agriculture, cultural heritage preservation, and support to humanitarian works in the Amazon. The visit included immersive and hands-on landscape explorations using the augmented reality sandbox.



Images Courtesy of Dr. Sergio Bernardes

General News and Announcements



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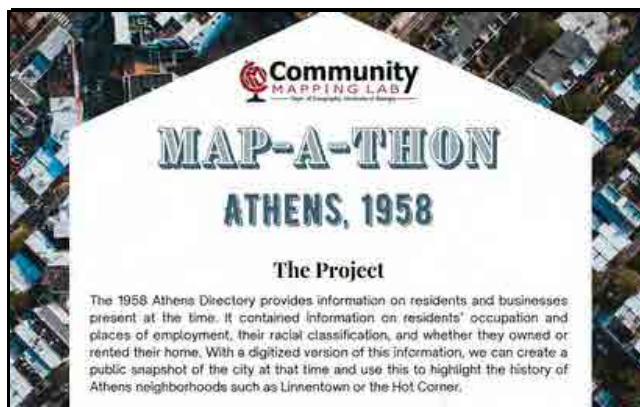


UPCOMING EVENTS



April 12th
GEOG Rm. 321
6:30-8:30pm

At this year's Mapathon, you'll help check the data of 16,000+ records, all while learning about the process of digitization and how collaborative science projects work. Refreshments provided!



April 16th
297 Prince Ave. Athens
3-7 pm

Shell to Shore is hosting the second annual ShellFest on April 16th in Athens, GA. It is a party for a cause, featuring raw oysters, live music, food & beverage from our restaurant friends and it is sure to be a blast. [Learn more here!](#)



April 19th
Geog Room 200B
3:30pm

Join us for our 2023 Undergraduate Awards Ceremony in the Geography Building Room 200B. All are welcome to join us in celebrating the achievements of our undergrads!



Every other Wed.
MLC 247
6pm

APIDAPA, Asian Pacific Islander Desi American Political Alliance, is a newly formed non-partisan student-led organization at UGA that seeks to promote civic engagement, community education, and policy advocacy among APIDA students on campus.



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Graduation 3:45pm
Celebration Room 200C

Join us in celebrating our 2023 Geography graduates. Ticketing information coming soon!

OPPORTUNITIES AROUND CAMPUS



ARE YOU A FIRST GENERATION COLLEGE STUDENT?

On Friday, April 21st, 2023, the University of Georgia will induct new members into Alpha Alpha Alpha (Tri-Alpha), a national honor society that recognizes the academic achievements of first-generation college students.

All eligible undergraduate and graduate students and faculty/staff are invited to be inducted into the Tri-Alpha First Generation Honor Society.

LEARN MORE & APPLY NOW!



WUOG 90.5, UGA's student-run radio station, is now accepting applications for on-air PSAs for the Spring 2023 semester. If you've been wanting to get the word out about your student org, initiative, or nonprofit organization, [here's the place to do it!](#)



Fresh Express is a new student-led emergency food assistance program, striving to serve University of Georgia students with balanced meals. [Sign up here.](#)



The Student Affairs Diversity Fund Allocations Committee is currently taking applications for proposals for this academic year. This fund supports campus diversity initiative that promote understanding, inclusion and acceptance. [Apply here!](#)



Join us every Friday for International Coffee Hour from 11:30am to 1:00pm in the Memorial Hall Ballroom! 11:30am - 1:00pm | Memorial Hall Ballroom

Campus-wide events:



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Flu shots are available at the UHC Available without appointment Mon- Fri, 9am-5pm UHC Pharmacy

Flu shots available now at UHC!
If you do not have insurance, payment can be made by cash, check, or card at the cashier's desk following the flu shot. Students may pay online or you may visit your local Health Department.



Pride Center: All Tuesdays
Let's Talk 10:30am-12:30pm
UGA Pride Center

Let's Talk is a drop-in service hosted by Counseling & Psychiatric Services (CAPS) clinicians that offers informal, confidential consultation.

STUDENT OPPORTUNITIES

UNDERGRADUATE STUDENTS

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The main responsibilities during the internship include assisting with collecting oyster shells from restaurants weekly in Athens, Augusta and Atlanta as well as helping expand the network of restaurants they work with. Additionally, interns will learn about oyster culture, help expand educational capacity as well as assist finding new sources of funding to expand the project among other opportunities.

Internships can be taken for academic credit with me (through GEOG 3990; see link for internship policy: <https://geography.uga.edu/internships>).

Please reach out to Dr. Nik Heyen (nheyen@uga.edu) directly if you have any questions and/or are interested in applying for an internship.

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The Northeast Georgia Regional Commission (NEGRG) is seeking a qualified GIS (Geographic Information System) Transportation Intern within its Planning & Government Services (PGS) Division. The GIS Transportation Intern will assist PGS staff with GIS work related to transportation infrastructure mapping in the Northeast Georgia region through the Roadway Element Validation and Mapping Program (REVAMP) and other general planning related activities. Responsibilities will include data validation, capture, and creation, as well as the development of maps and graphics. This position will primarily involve inn-office work, with flexible scheduling to accommodate academic schedules as appropriate. [Learn more here](#) or submit resume and cover letter abailey@negrc.org to apply.



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UG Commencement...	May 12
Grades Due...	May 15

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GRADUATE STUDENTS

- [Postdoctoral Opportunity: Remote Sensing Of Agricultural Systems](#)

The Center for Geospatial Research at the Department of Geography and the Department of Statistics at the University of Georgia, in collaboration with the USDA-Agricultural Research Service, are seeking a Postdoctoral Associate to investigate relationships between plant biometrics collected in the field and plant descriptors derived from drone-based remote sensing. The selected candidate will join a team of researchers and will collect, assemble and analyze geospatial datasets including direct field measurements and remotely-sensed observations of plot and field areas in support of long-term agroecosystem research.

The successful candidate will hold a PhD degree with training in plant ecology, agronomy, geography, or related physical sciences, with specific expertise in analytical methods and techniques, including remote sensing and the processing of datasets collected directly in the field.

Interested candidates should send a CV, statement of research interests (no more than two pages) and a copy of graduate transcripts (unofficial transcripts are acceptable) to Dr. Sergio Bernardes (sbernard@uga.edu) and to Dr. Alisa Coffin (alisa.coffin@usda.gov). This is a one-year position renewable for three more years, based on performance and availability of funds. The position is based at the USDA-ARS facility in Tifton, Georgia. Expected start date is Summer/Fall 2023.

STUDENT OPPORTUNITIES

UNDERGRADUATE, GRADUATE, & UGA COMMUNITY

- [Fall 2023 Sustainability Internships Now Accepting Applications](#)

Are you a UGA student who's passionate about the just and ethical integration of social, environmental, and economic solutions? Apply for a Fall 2023 Internship with the Office of Sustainability! Deadline is April 7th.

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List of open Fall 2023 Internship Positions

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Campus Kitchen Communications- 1 position

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- [MS/PhD Research Assistantship in Marine Science \(Physical Oceanography\) at USC](#)

The Satellite Oceanography Laboratory at the University of South Carolina, Columbia invites applications from qualified students to our MS/PhD. (Marine Science) in the School of the Earth, Ocean and Environment (SEOE) at the University of South Carolina (USC) to work on problems in Physical Oceanography/ Satellite Oceanography/ Ocean Modelling/Air-Sea Interaction/Tropical Ocean Circulation, and Dynamical Processes. The Satellite Oceanography Laboratory is funded by many federal agencies: NASA/NOAA/ONR.

Bachelor's or Master's degree in Oceanography/Physical Oceanography/ Marine Science/ Meteorology/Atmospheric science is required. Applicants should have strong Physics, mathematical and computer programming skills in Matlab/Python/.

Full Funding is available starting in Summer/Fall 2023 for these projects:

1. Understanding the Gulf of Mexico Loop Current dynamics
2. Influence of Mesoscale and Submesoscale structures on the Mixed Layer Dynamics using SWOT altimetry
3. Understanding the Generation Mechanisms of the Internal Waves in the Bay of Bengal

Interested applicants are encouraged to send an unofficial transcript and current resume to: sbulusu@geol.sc.edu. NO GRE SCORES are required.

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<https://www.instagram.com/geographyuga/>



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The second involves analysis of data related to evictions in Athens, in coordination with a few local groups including the Athens Housing Advocacy Team.

The expectation would be 5-7 hours of work per week over 10 weeks of the summer term, with some schedule flexibility. GIS/Data wrangling experience preferred but not necessary.

If you're interested, email jshannon@uga.edu before April 15.

- [Ten AmeriCorps Summer Associate positions now available](#)

Build your skills and serve your community this summer! The UGA Office of Service-Learning has ten full-time Summer Associate positions available for serving in direct-service and capacity-building roles for local education and anti-hunger initiatives, through our AmeriCorps Network. UGA's AmeriCorps Summer Associates serve full-time for nine weeks with their partner agency, May 30 to July 31, 2023, and receive a small living allowance (just over \$3,000, paid biweekly at \$48.22/day) and an end-of-service education award (\$1,459). See more about Summer Associate benefits at <https://www.americorps.gov/members-volunteers/vista/summer-associates>.

Applications for these UGA Summer Associates are now open (closing May 3, but positions will likely be filled sooner); see the descriptions and application links below. AmeriCorps Summer Associates must be at least 18 and must be US citizens or permanent residents. The Summer Associates will collaborate with each other across these placements as well and will receive training and support from the Office of Service-Learning and their placement site.

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FACULTY SPOTLIGHT

Dr. Andrew Herod Awarded Guggenheim Fellowship



Last week, the John Simon Guggenheim Memorial Foundation announced the 2023 Guggenheim Fellowships. Of 2500+ applicants, 171 scientists, writers, scholars, and artists were selected, including UGA Distinguished Research Professor of Geography, Dr. Andrew Herod. Guggenheim Fellowships are awarded to those “who have demonstrated exceptional capacity for productive scholarship or exceptional creative ability in the arts.”

In a recent [UGA Today press release](#), Dr. Herod comments on receiving the award: “I am thrilled to have been selected as a John Simon Guggenheim Memorial Foundation Fellow and to be in the company of so many accomplished individuals across myriad academic and creative fields,” said Herod, an economic geographer who also serves as director of the UGA à Paris Study Abroad Program. “I want to thank the Guggenheim Foundation for this recognition, together with the many people at UGA who have helped me during the course of my career and whose support has enabled me to achieve this honor.”

“Herod’s scholarship focuses on the nature and spatial dynamics of economic transformation. His research projects range from exploring how containerization impacted the labor process and the geography of work in the East Coast longshoring industry to how the collapse of Communism affected the organization of work and worker organization in the former Eastern bloc... Herod’s Guggenheim project is about the U.S. and international poultry industry, and includes a planned book, “Chicken: A Geographical Political Economy.” [Learn more about Dr. Herod's Research Here!](#)

UPCOMING DEFENSES



Alison Banks- Oral Comprehensive Examination

"Analysis of the Impacts of Precipitation Characteristics in Earth System Models on Hazardous Air Quality and Heat Waves."

April 17, 2023, 10am, GEOG Room 147, Zoom



Ryan Palmer- Thesis Proposal Defense

"Monitoring of a Longleaf Pine Ecosystem Restoration Site Using UAS-based Remote Sensing and Deep Learning Analysis"

April 21, 2023, 9:30am-11:30am, GEOG Room 147



Akanksha Sharma- Dissertation Proposal Defense

"Examining Geo-Socio-Ecological Vulnerabilities & Transformations in Eastern India"

April 18, 2023, 9:00-11:00am, GEOG Room 147

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Tomorrow is G-Day! Please note that parking will not be available in the Tate Deck, N10, N09, N08, E12, and S06 lots on the day of the event. Therefore, permit holders in these lots must vacate their spaces by 5:00 am on April 15th to ensure that adequate parking is available for event attendees. Towing will be enforced in these lots, so please plan accordingly.



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April 18th
Via Zoom
9:30-11:00am

Join us for a GeoAI Seminar with Dr. Weiming Huang from Nanyang Technological University's School of Computer Science and Engineering. This seminar will be presented via Zoom. [Register here!](#)



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CONGRATS, HONOREES!

2023 Undergraduate Honors & Awards Recipients

This past week, we celebrated our award-winning undergraduate students in the Geography Department at our annual Honors and Awards Ceremony. Congratulations to the following award recipients!



Kelly Neighbour
Merle C. Prunty, Jr.
Undergraduate Scholarship



Max Davis
Atlas Award for Academic
Excellence



Max White
Atlas Award for Academic
Excellence



Christian Walker
NCGE/AAG Outstanding
Senior Award



Claudia White
NCGE/AAG Outstanding
Senior Award



Steven Janke
Alumni Award



Killian McSweeney
Alumni Award



Jada Smith
Alumni Award



Kathryn Boyle
De Vorsey Travel Award

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Elijah Humphries
De Vorsey Travel Award



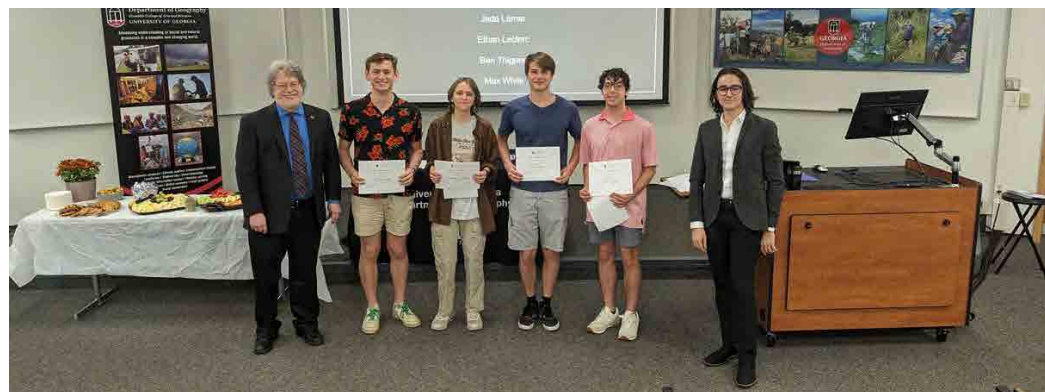
Casey Serrano
Engagement and Community Outreach (ECO) Award



Karissa Chilcote
Engagement and Community Outreach (ECO) Award



Kelly Neighbour, Jada Smith, Faiza Mohammed (Not Pictured), Timothy Naff (Not Pictured)
Gamma Theta Upsilon International Geographic Honor Society



Max White, Jordanne Brisby, Ethan Leclerc, Ben Thigpen, Jada Lamar (Not Pictured)
Chi Epsilon Pi National Meteorology and Atmospheric Sciences Honor Society

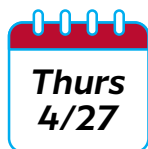
Upcoming Defenses



Max Appelbaum- Thesis Proposal Defense

"Urban Heat Island Investigations of the Augusta, Georgia Metropolitan Statistical Area."

April 26, 9-11am, GEOG Room 147, Zoom



Chintan Maniyar- Dissertation Proposal Defense

"Detection, Driver-Response Analyses and Forecasting of Cyanobacterial Harmful Algal Blooms in Inland Waters Under a Changing Climate.."

April 27, 1-3 pm, GEOG Room 147, Zoom

Social Media

Want to stay up to date with all things UGA Geography? Follow us on our social media accounts. If you have any events, news, awards, or other information you'd like to share on our social media, please reach out to Matt Colonius.



<https://www.facebook.com/GeographyDepartmentUGA/>



<https://www.instagram.com/geographyuga/>



<https://twitter.com/UGaGeography>

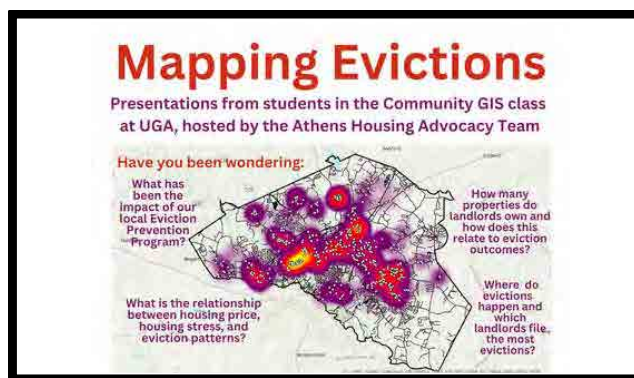


<https://geography.uga.edu>

UPCOMING EVENTS



Friday, May 5th
12-3 pm
Athens Public Library



Join us for presentations from students in the Community GIS class at UGA, hosted by the Athens Housing Advocacy Team. Free lunch for the first 50 people, local housing resources, free "know your renter's rights" workshop



Thursday, May 11th
3:30 pm
GEOG Room 200C



Join us in celebrating our 2023 Geography graduates. Reserve your tickets [here!](#) Please note that tickets are currently limited to 2/graduate. On May 1st, we'll increase this cap to 4 tickets/ graduate.



May 15- 17
Georgia Center for Continuing Education & Hotel



The 2023 Georgia Climate Conference aims to support and accelerate Georgia's efforts to take practical steps to minimize the risks and maximize the opportunities associated with a changing climate.



Every other Wed.
MLC 247
6pm



APIDAPA, Asian Pacific Islander Desi American Political Alliance, is a newly formed non-partisan student-led organization at UGA that seeks to promote civic engagement, community education, and policy advocacy among APIDA students on campus.

Departmental Events:



Course April 21-
Evaluations May 15
Available Now

[Click here to complete your Spring 2023 Course Evaluations!](#)

Student feedback on instructional effectiveness is an important tool. Your comments are appreciated!



Final Friday April 28th
Coffee Break Main Geography Office


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GEOG UGDR May 11th
Graduation 3:30pm
Celebration Room 200C

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OPPORTUNITIES AROUND CAMPUS



Department of Geoscience
UNIVERSITY OF GEORGIA


Spring 2023 Course Evaluations

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WIN A NEW ULTRA-LOW FREEZER FOR YOUR LAB!

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For assistance, contact anna.lentz@uga.edu
UGA Green Labs | greentab.uga.edu

REGISTER NOW!





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| Memorial Hall Ballroom

Campus-wide events:



Anxiety Management Workshop	April 26th 11am-12pm Online
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Join us for this four-part rotating series on managing stress & anxiety. You will learn how to identify your own stress and anxiety as it arises, and explore some early warning signs, triggers, and ways of coping.



Flu shots are available at the UHC	Available without appointment Mon- Fri, 9am-5pm UHC Pharmacy
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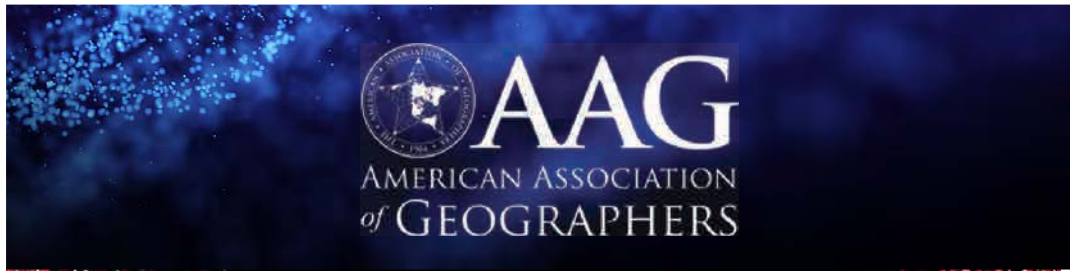
Pride Center: Let's Talk	All Tuesdays 10:30am-12:30pm UGA Pride Center
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Let's Talk is a drop-in service hosted by Counseling & Psychiatric Services (CAPS) clinicians that offers informal, confidential consultation.

FRIDAY, APRIL 28TH, 2023

The Graticule Weekly

UGA's Geography Newsletter



FACULTY SPOTLIGHT

Dr. Gengchen Mai Awarded 2023 AAG Nystrom Award



We are thrilled to announce that UGA Geography Professor, Dr. Gengchen Mai, has been awarded the 2023 AAG Nystrom award for his research: "Towards general-purpose representation learning of polygonal geometries." In 2022, Dr. Mai was honored with another AAG award, The William L. Garrison Award for Best Dissertation in Computational Geography for his dissertation, "Geographic Question Answering with Spatially-Explicit Machine Learning Models."

The Nystrom Award was established in 1980 by former AAG executive director J. Warren Nystrom to support an annual prize for the most outstanding paper based on a recent dissertation in geography within a three-year period. Congratulations, Dr. Mai!

Learn more about Dr. Mai's work [here](#) and consider taking one of his upcoming Fall 2023 courses!



UPCOMING DEFENSES



Alison Banks- Oral Comprehensive Examination

"Analysis of the Impacts of Precipitation Characteristics in Earth System Models on Hazardous Air Quality and Heat Waves."

April 28, 2023



Akanksha Sharma- Oral Comprehensive Exam

"Examining Geo-Socio-Ecological Vulnerabilities & Transformations in Eastern India"

May 8, 2023

General News and Announcements



The Graticule Weekly is distributed each Friday Afternoon. If you have any news or events you'd like to share throughout the semester, please share them with Matt Colonius well in advance.



Please download the new UGA Safe app from the Google Play or Apple App stores. Login using your UGA MyID or register as a guest to take advantage of a variety of safety features. For more information, please visit the [UGA Office of Emergency Preparedness website](#).



With the semester in full swing, our community has become busier as faculty, staff, students, and visitors navigate our campus. Prioritize your transportation safety and the safety of other's by checking out [the Watch For Dawgs official website](#).

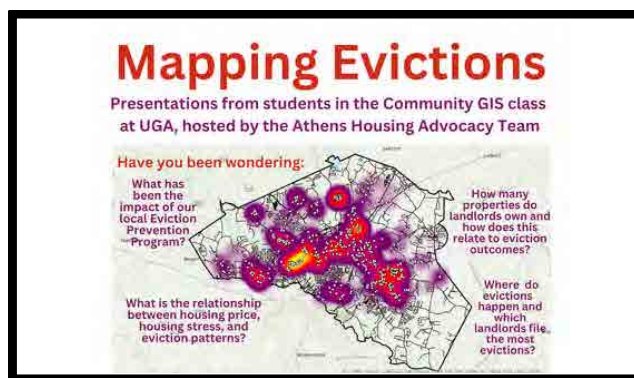
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