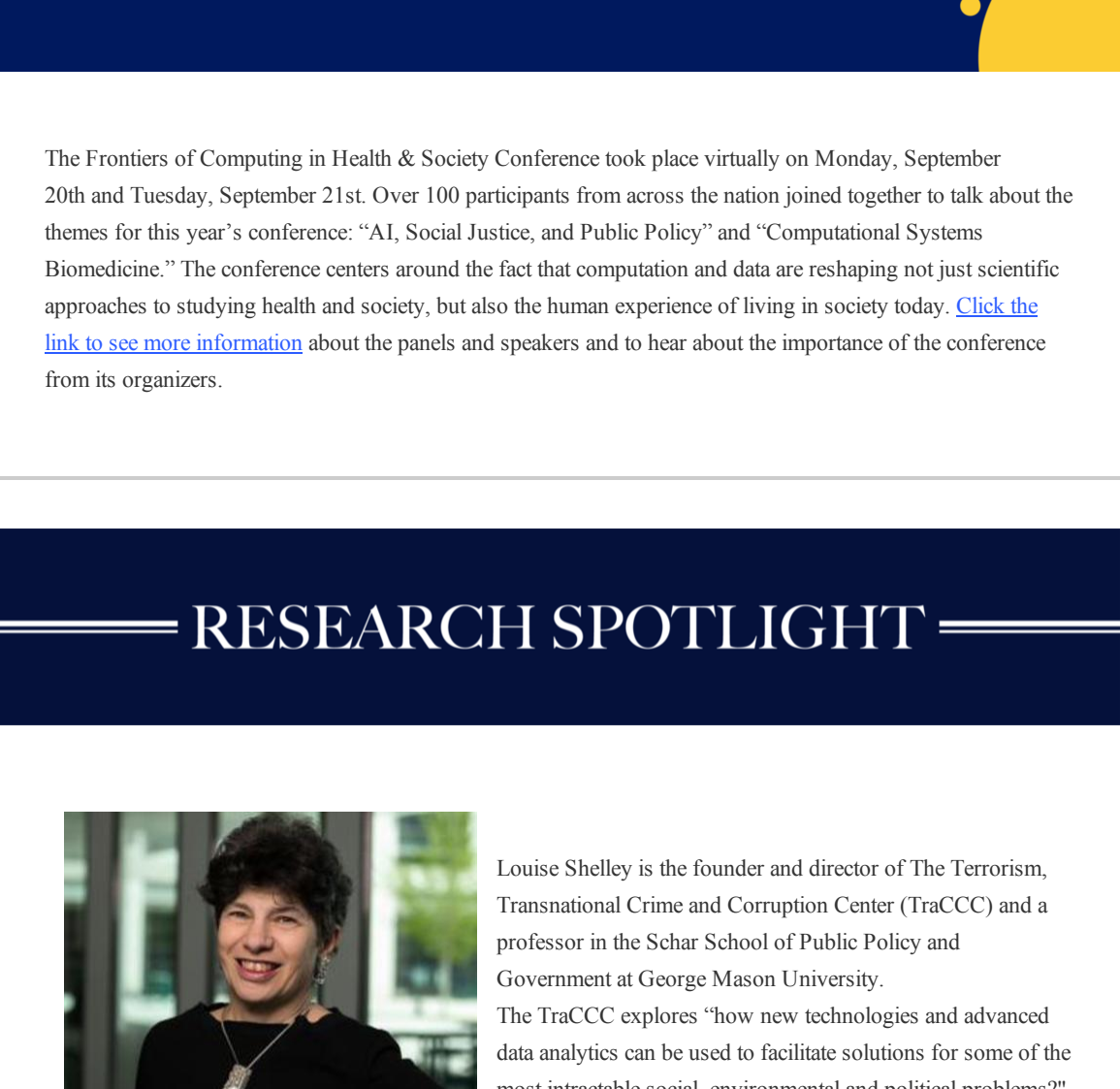


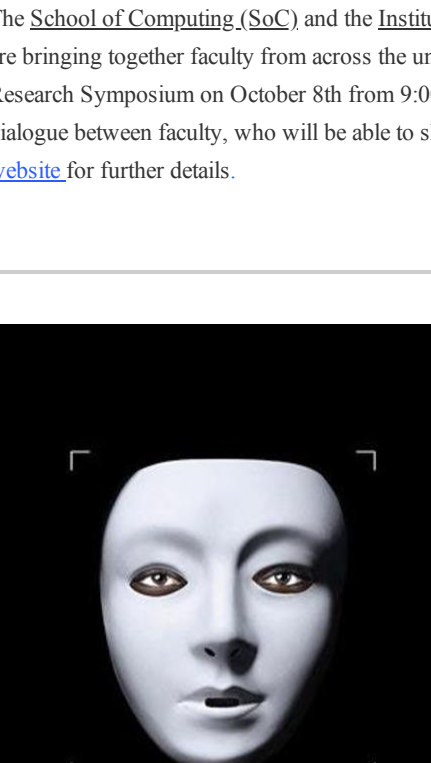


THE WEEKLY



The Frontiers of Computing in Health & Society Conference took place virtually on Monday, September 20th and Tuesday, September 21st. Over 100 participants from across the nation joined together to talk about the themes for this year's conference: "AI, Social Justice, and Public Policy" and "Computational Systems Biomedicine." The conference centers around the fact that computation and data are reshaping not just scientific approaches to studying health and society, but also the human experience of living in society today. [Click the link to see more information](#) about the panels and speakers and to hear about the importance of the conference from its organizers.

RESEARCH SPOTLIGHT



Louise Shelley is the founder and director of The Terrorism, Transnational Crime and Corruption Center (TraCCC) and a professor in the Schar School of Public Policy and Government at George Mason University. The TraCCC explores "how new technologies and advanced data analytics can be used to facilitate solutions for some of the most intractable social, environmental and political problems". [Learn more](#) about Shelley and the TraCCC.

UPCOMING EVENTS

INTERDISCIPLINARY COMPUTING RESEARCH SYMPOSIUM

Friday, October 8, 2021
12:00 PM - 3:00 PM
Fairfax, VA

CALL FOR PARTICIPATION

Today, not only are computing devices pervasive in society, but computational methods are used in almost every field of endeavor. This symposium, co-sponsored by the recently launched School of Computing (SoC) and the Institute for Digital Innovation (IDIA), aims to bring together faculty from across the university to discuss potential research collaborations. Our goal is to facilitate dialogues and create connections between faculty with expertise in digital technologies and faculty focused on developing computational approaches and designing computing systems to address problems in their fields as well as faculty focused on studying the societal impact of digital technology and digital systems.

The symposium will feature lightning talk sessions organized around the four themes of healthy society, healthy economy, healthy planet and healthy people) where faculty can provide brief introductions to their research, a poster session to connect speakers from the lightning talk sessions to attendees who are interested in collaboration, as well as birds-of-a-feather sessions on topics proposed by attendees.

STEERING COMMITTEE

The [School of Computing \(SoC\)](#) and the [Institute for Digital Innovation \(IDIA\)](#) at George Mason University are bringing together faculty from across the university to participate in the Interdisciplinary Computing Research Symposium on October 8th from 9:00 am - 3:00 pm. The symposium aims to facilitate connections and dialogue between faculty, who will be able to share their research with the Mason community. Check our [website](#) for further details.

A SHALINI KANTAWA FILM

CODED BIAS

OFFICIAL SELECTION
SXSW 2020
OFFICIAL SELECTION
EFFILM FESTIVAL

Join Mason faculty and students to watch and discuss the documentary *Coded Bias*, which investigates bias in Artificial Intelligence algorithms and facial recognition software. This screening is sponsored by the George Mason University pod of 500 Women Scientists and the Mason chapter of Sigma Xi.

Pre-registration and face masks will be required for all attendees. To confirm you are cleared for an on-campus event, be prepared to show a green COVID health check (<http://healthcheck.gmu.edu>) email or message when entering the JC Cinema.

When and Where: Wednesday October 13, 2021, 7-9 pm, JC Cinema

IN-PERSON EVENT

CAREER FAIR

SEPT 29 | NOON-4 PM
JOHNSON CENTER, LOWER LEVEL, FAIRFAX
go.gmu.edu/CareerFair

Events to prepare for the fair:

RESUME CLINIC
SEPT 27 | 11 AM-5 PM
STUDENT UNION BUILDING 1, 3400, FAIRFAX

PREPARE FOR THE FAIR
SEPT 27 | 5-6:30 PM
STUDENT UNION BUILDING 1, 3400, FAIRFAX

full-time positions • internships • part-time jobs • volunteer roles

VIRTUAL EVENT

VIRTUAL CAREER FAIR

OCT 6 | NOON-4 PM EDT
registration required by NOON EDT on OCT 6
go.gmu.edu/VirtualCareerFair

Events to prepare for the fair:

VIRTUAL RESUME CLINIC
OCT 4 | 11 AM-5 PM EDT
registration required by 5 PM EDT on OCT 1

VIRTUAL PREPARE FOR THE FAIR
OCT 4 | 5-6:30 PM EDT
registration not required

What you need to know

University Career Services is hosting two career fairs in the next two weeks. The fair on Sept 29 is in person (details below) and the fair on Oct 6 is virtual (details below). The fairs are open to all Mason students and alumni. During the two Resume Clinics, the employers will be providing resume reviews and personalized feedback to help students improve their resumes in advance of each fair day. 100 different employers will be attending each day of the fair seeking candidates for full-time, part-time, and internship opportunities. Several opportunities are open to ALL majors and fields of study. Starting dates range from now until summer 2022.

INTERACTIVE WORKSHOP SERIES

Co-sponsored by Faculty Affairs & Development and Office of Research
Academic Year 2021-2022

Fall 2021 Interactive Workshop Series Topics

SEPT 27
1-2:30 PM

Aligning your Time and Priorities

Do you find yourself at the end of the semester wondering where time went and feeling like you were not able to accomplish what you needed? Are you looking forward to a productive semester? You are invited to an interactive workshop to help you align your time with your career goals for this academic year.

NOV 09
1-2:30 PM

Writing Workshop for Research, Scholarship, and/or Creative Work Statements

Are you trying to figure out how to convey the impact of your research, scholarship or creative work for promotion, renewal or tenure? You are invited to a discussion and writing workshop about preparing your impact statement. You will outline your research, scholarship, and/or creative work and learn strategies for developing and presenting it to peer and reviewer audiences.

OCT 20
1-2:30 PM

Building A Responsible Mentoring Culture

Do you want to talk with colleagues about effective practices for mentoring postdocs and students at all levels? Have you questioned how to equitably establish authority on your projects for conference presentations and scholarly products? You are invited to a discussion in which we will share practices, explore the ethical dimensions of these decisions, and work through challenges to achieve transparent collaborations.

DEC 02
1-2:30 PM

Navigating Politics in Academia

Academic institutions and local academic units can be quite political and it is not unusual for early career faculty members to land in the midst of conflicts they don't know how to navigate (or get out of). Recognizing that it's not easy to extricate yourself from political conflicts without offending potentially powerful senior colleagues, you are invited to a discussion about navigating academic politics with experienced Mason professors who will share their experiences/perspectives on how to manage this side of academic life.

Stay Tuned for our Spring 2022 Interactive Workshop Series Topics!

Contact Faculty Affairs and Development at facaffs@gmu.edu with questions or comments at any time.

[Register here](#)

Apply to Sprinternship®

Sprinternship® is a program of Break Through Tech, whose goal is to achieve gender equity in tech. It is a **three-week paid** micro-internship for first- and second-year college students from backgrounds traditionally underrepresented in tech.

Program Participants

Sprinternships are designed for women, non-binary, and gender fluid individuals who are first and second-year students at George Mason University or students in the Advance program at Northern Virginia Community College looking to increase their experience in tech before applying for a summer internship.

What to expect

In three weeks, Sprinterns tackle a challenge project while immersed in their host company's business and culture, participate in a series of career development workshops, and strengthen their professional network. Sprinterns will build their resume, their community, and their professional network while learning about careers in tech.

Program and Application Dates

Our Sprinternship® program will run from **January 3-21, 2022**, with several career development workshops taking place in the fall semester. Applications opened on August 30, 2021 and close October 8, 2021 at 11:59pm.

More information and access application [here](#) or email us at breakthroughtech@gmu.edu.

Questions? Contact Libby G. Bradford, Career Access Lead for GMU Break Through Tech, DC, at lbradfo@gmu.edu.

VIRGINIA WOMEN IN HPC INAUGURAL EVENT

WHEN
October 6th
1:00pm – 2:00pm

WHAT
We are proud to announce the founding of Virginia's first Women in High-Performance Computing (WHPC) program. Join Virginia WHPC for its inaugural event featuring inspiring lightning talks by female faculty of the Commonwealth sharing and discussing how HPC has facilitated their scientific research and professional careers.

Topic: How does HPC help with your scientific research -- Faculty perspectives

Speakers:

- Julie Quinn - University of Virginia
- Jenna Cann - George Mason University
- Grace Chiu - William & Mary's Virginia Institute of Marine Science

REGISTRATION LINK: <https://tinyurl.com/VA-WHPC-OCt2021>

THIS VIRTUAL EVENT IS JOINTLY HOSTED BY VIRGINIA COMMONWEALTH UNIVERSITY, GEORGE MASON UNIVERSITY, VIRGINIA TECH, WILLIAM & MARY, UNIVERSITY OF RICHMOND, AND RESEARCH COMPUTING AT THE UNIVERSITY OF VIRGINIA.

Research Roundtable: Health Impacts of Environmental Injustice

Wednesday, September 29, 2021 2:00-3:00 pm

The Science to Achieve Results initiative of the U.S. EPA is looking to fund 6 multi-year, large-scale grants to investigate the cumulative health impacts of environmental injustice among vulnerable populations, especially via community-based research (deadline Nov. 16). Mason's Institute for a Sustainable Earth and Institute for Digital Innovation are hosting an informal roundtable for researchers and interested participants to explore possible pathways towards submitting a proposal. Interested participants should pre-register to attend and come to the roundtable prepared to briefly share their research interests and what opportunities within the context of EPA's [RFA](#) they find to be the most interesting or exciting. [Click here](#) to learn more about the funding opportunity, which is titled "Cumulative Health Impacts at the Intersection of Climate Change, Environmental Justice, and Vulnerable Populations/Lifestages: Community-Based Research for Solutions."

[Register here](#)

Inclusive STEM Teaching Project

The Inclusive STEM Teaching Project, an NSF Improving Undergraduate STEM Education program, is hosting a six-week Massive Open Online Course (MOOC) from October 13th - November 25th via edX. Join our community of over 1,000 faculty, postdocs, graduate students, and staff, and register for our online course this fall. By participating in this course, you will learn how to:

- Advance your awareness, self-efficacy, and ability to cultivate inclusive classroom environments;
- Support your development as a reflective, inclusive practitioner;
- Engage in reflection and discussion around topics of equity and inclusion across a variety of institutional contexts;
- Implement inclusive teaching methods in your classes which will remove common barriers and enhance learning in STEM for all students.

Questions? Contact Lisa M. Himmelman at lhimmelman@bu.edu

FUNDING OPPORTUNITIES

[NSF - Simons Collaboration on a National Institute for Theory and Mathematics in Biology \(NITMB\)](#)

Preliminary Proposal Due Date - December 01, 2021

Full Proposal Due Date - July 18, 2022

[NSF - Collaborative Research in Computational Neuroscience \(CRCNS\)](#)

Full Proposal Due Date - November 23, 2021

[NSF - Cyberinfrastructure for Sustained Scientific Innovation \(CSSI\)](#)

Full Proposal Due Date - December 08, 2021

[Dear Colleague Letter: Enabling Secure and Trustworthy Cyberspace \(SaTC\)/CISE-SHE Interdisciplinary Collaborations](#)

Full Proposal Due Date - December 10, 2021

AWARDS

Congratulations to:

- Yan, Zhisheng from the College of Engineering & Computing for receiving the National Science Foundation grant on EAGER: Collaborative Research: Augmented 360 Video for Situation Awareness in Firefighting.
- Yang, Chaowei from the College of Science for receiving the NASA-Goddard Space Flight Cent grant on NCCS STC membership.
- Yang, Ruixin from the College of Science for receiving the US Department of Agriculture (USDA) grant on Relationships between Climate, Crop Yield, and TFP.
- McCue-Weil, Leigh S from the College of Engineering & Computing for receiving the National Science Foundation grant on BRITE Relaunch: Persistent and Accessible Maritime Monitoring (PAMM).
- Raz, Ali Khalid from the College of Engineering & Computing and Co PI Costa, Paulo Cesar for receiving the US Department of Defense grant on Standardized High Level Data Fusion (HLDF) System Architecture for Counter Unmanned Aerial Systems (CUAS).
- Roetting, William H from the College of Engineering & Computing for receiving the US Department of the Air Force (USAF) grant on USCYBERCOM Operations & Maintenance Support.

IDIA AFFILIATION

Did you know that, as an IDIA faculty affiliate, you are eligible to:

Compete for [internally-funded IDIA projects](#)

Serve as [IDIA Advisory Council members](#)

Receive support for [IDIA relevant events](#)

Become part of the [dynamic multidisciplinary faculty network](#) focused on digital techniques and technologies to advance fields as diverse as finance, education, built infrastructure, science, economics, agriculture, health, transportation, entertainment, national security, and social justice.

There is no financial burden to you or your department for affiliation with the institute. Participation in IDIA does not prevent its members from being associated with other university centers. If you are not already affiliated, we encourage you to submit your profile [here](#).

Share with us

We would love to hear about your research activities, awards and recent publications. We are also working with your colleges and others in compiling this information to keep university leadership, policy makers, businesses, and organisations apprised of digital innovation-related research activities at Mason. Whether you have a success story or concern or an idea, we are eager to hear from you.

Contact us at: idia2@gmu.edu



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