

amazon Mason 2022, so register now!

<u>Defense TechConnect Innovation Summit and Expo</u> **CO-LOCATED WITH** SEPTEMBER 27-29, 2022 | WASHINGTON, DC

Defense Advanced Research Projects Agency National Science AFWERX **US Department** Foundation mospheric of Education

Operations Command

Connect with \$4 billion+ in funding opportunities with SBIR Offices and Agencies at the Defense TechConnect Innovation Summit and Expo. Learn more. NVIDIA GTC Deep Learning Institute Workshops

NVIDIA's fall GTC conference is taking place September 19-22. A few sessions that might appeal to students,

Louis Stewart still has access to some complimentary passes to the full-day workshops (5 for each). If you are interested in a pass simply look at the list of classes below and reply to him at louiss@nvidia.com with class, date, and time. Once he sends you a code, it is recommended that you register and secure your seat. These

courses will be issued on a first-come, first-served basis, and he will put you on a waitlist should he run out of a

The Developer

September 19-22, 2022

For students:

particular course.

Register Free

and the Metaverse

researchers and educators include:

For educators and researchers:

• 5 Paths to a Career in AI [SE41225]

• How to be a Deep Learning Engineer [SE41226]

• Future of AI: Fireside Chat with Turing Award Winners [A41191] • The Journey from Academics to Entrepreneurship [A41192]

Conference for the Era of Al

<u>Monday September 19, 2022, 6 a.m. – 2 p.m. PST</u> Waitlist - Fundamentals of Deep Learning 4 - Building AI-Based Cybersecurity Pipelines 4 - Fundamentals of Accelerated Computing with CUDA C/C++ 2 - Building Transformer-Based Natural Language Processing Applications Monday September 19, 2022, 9 a.m. - 5 p.m. PST

SAVEEDATE

George Mason University's Anti-Racism and Inclusive Excellence Initiative is proud to host this first-ever conference featuring panels, workshops, and conversation groups with researchers and changemakers from

2023 American Society for Engineering Education Southeastern

Section Conference

ASEE Southeastern Section Conference

Smart City Works Innovation Hub, Fairfax County Department of Economic Initiatives (DEI), and Fairfax County Office of Environmental and Energy Coordination (OEEC) in partnership with George Mason University's Office of Sustainability and Institute for Sustainable Earth, announce the launch of the Pitch and

The goal of the challenge is to find innovative solutions that improve energy efficiency, increase the use of renewable electricity, and accelerate the use of electric vehicles to shift from a carbon-based economy to a carbon-neutral community. The deadline for accepting applications is October 3, 2022, at 5 p.m. Learn more.

Anti-Racism and Inclusive Excellence Conference: Vision and

Action for a New Era

Pilot: Fairfax County Innovation Challenge.

across the country.

October 24, 2022, 8 a.m.-6:30 p.m. Mason Square, Arlington, Virginia

March 12-14, 2023 College of Engineering and Computing George Mason University Fairfax, VA The 2023 American Society for Engineering Education (ASEE) Southeastern Section Conference will be hosted at Mason March 12-14, 2023. The conference is open to everyone interested in improving the engineering

STUDENT OPPORTUNITIES:

Seeking Computer Science Graduate Students for the Praxis

<u>Workshop</u>

TERESTED IN JOINING A PROJECT ON ASSISTING COMPUTER SCIENCE

education and technology experience. More information is here.

(CS) TEACHER PREPARATION?

and recommendation letters.

More information is here.

More information is here

Deadline: End of September 2022

Deadline: September 20, 2022

The fellowship award includes:

Access to the annual Fellowship Summit

Various opportunities to engage with Meta researchers



Meta Research PhD Fellowship

The Meta Research PhD Fellowship program is designed to support promising doctoral students who are engaged in innovative research related to computer science and engineering at an accredited university.

Applications are open to all full-time PhD students currently involved in ongoing research who are enrolled in an accredited university in any country. We encourage all people of diverse backgrounds and experiences to apply. Applications are evaluated based on the strength of the student's research statement, publication record,

Google PhD Fellowship Program

Google Research

The Google PhD Fellowship Program was created to recognize outstanding graduate students doing exceptional and innovative research in areas relevant to computer science and related fields. The fellowships support

promising PhD candidates of all backgrounds who seek to influence the future of technology. Google's mission

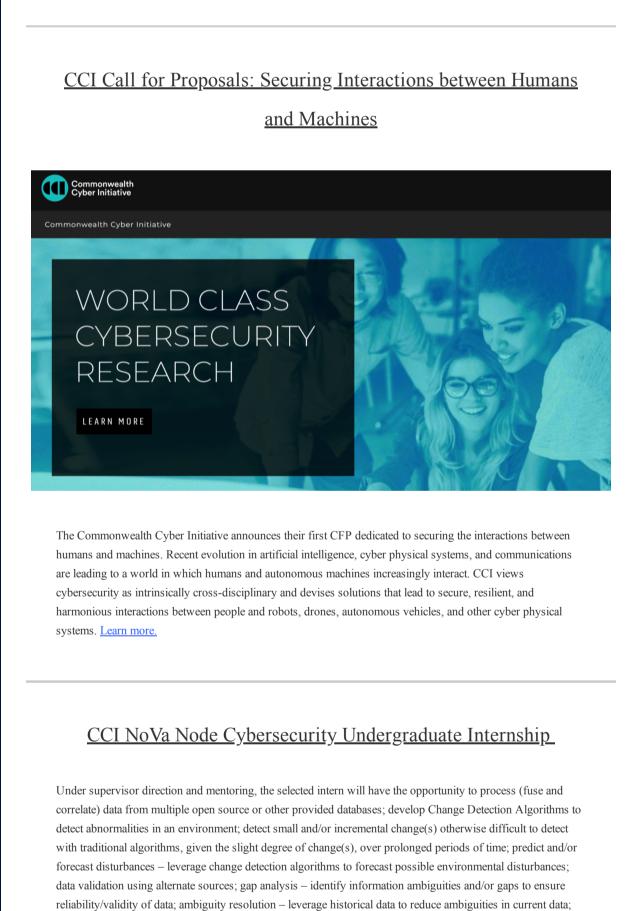
CCI OPPORTUNITIES =

is to foster inclusive research communities and encourages people of diverse backgrounds to apply.

PhD students must be nominated by their university. Applications should be submitted by an official

representative of the university during the application window.

• Tuition and fees paid for the academic year (up to two years/four semesters) A \$42,000 annual stipend to cover living and conference travel costs



Artificial Intelligence for Critical Mineral Assessment

Competition

Artificial Intelligence for

Critical Mineral Assessment Competition

Office of Surface Mining - Science and Technology Projects Related to Coal Mining and Reclamation; Applied Science Projects Deadline: September 20, 2022 National Institute on Aging - Transformative Artificial Intelligence and Machine Learning Based Strategies to Identify Determinants of Exceptional Health and Life Span Letter of Intent Due: September 21, 2022 Proposal Due: October 22, 2022 American Association for Artificial Intelligence - Feigenbaum Prize Deadline: September 23, 2022

National Institutes of Health - Point-of-Care Technologies Research Network: Technology Research and

National Science Foundation - Division of Chemistry: Disciplinary Research Programs (CHE-DRP)

Alzheimer's Drug Discovery Foundation - Neuroimaging and CSF Biomarker Development Program

Deadlines: September 30, 2022, and October 31, 2022, depending on program

Office of Naval Research - FY 2023 Vannevar Bush Faculty Fellowship Program

Deadline for Letter of Intent/Pre-Application: September 30, 2022

Questions? Contact Mike Bunting at mbuntin@gmu.edu.

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

To apply, please submit a resume and unofficial transcript directly to Dr. Sherry Crissman at sherry.crissman@gmu-rprc.org. Make sure to mention "CCI Student Internship - Application" as the subject of your email. More information is available here. Questions? Contact Jordan Mason at jmason29@gmu.edu. - VARIOUS OPPORTUNITIES : US Army Automotive Research Center Call for White Papers

A few important updates: Per the Army, there are two ways to dramatically improve your odds of winning

Collaboration with faculty at other ARC partner universities is encouraged.

More information is here. On August 12, the ARC held a webinar on the call for white papers. View the

For tracking purposes, please let Mike Bunting at mbuntin@gmu.edu know if you are interested in the

· Consider proposing a summer research internship to work in the laboratories at the Army's Ground Vehicle Systems Center in Warren, MI (near Detroit). What better way to learn the mission

requirements and do impactful research than through a hands-on experience? The Army is interested in hosting your students or you. This opportunity is limited to US citizens and there is preference for those with a clearance or willingness to obtain a clearance. Summer housing expenses and a stipend are

and utilize these prediction algorithms to forecast potential threats to the environmental (natural, political,

economic, military, social).

support for your proposal.

recording <u>here</u>.

More information is here.

results!

Deadline: September 10, 2022

Development Centers

Deadline: September 27, 2022

eligible expenses to include in your proposal.

Deadline: September 2, 2022 at 5 p.m. (Expect Feedback September 28.)

The United States depends on a variety of raw, non-fuel materials dubbed "critical minerals" to manufacture products considered essential to national security. These products can range from rare earth minerals in electric motors and generators, to the carbon fiber used for airplanes. Increasing demand, coupled with limited domestic supply and increasing reliance on foreign companies to import these critical minerals, poses significant risks to the U.S. supply chain. DARPA has partnered with the U.S. Geological Survey (USGS) to explore the potential for machine learning and artificial intelligence tools and techniques to accelerate critical mineral assessments. The goal is to significantly speed up the assessment of the nation's critical mineral resources by automating key steps in the process. Competition registration for the first challenge on map georeferencing opened August 15; registration for the second challenge on map feature extraction opened August 29. For each of the two challenges, DARPA will award \$10,000 for the first prize, \$3,000 for the second prize, and \$1,000 for the third prize in October 2022.

Call for Applications: Azure Accelerator Program for Research

Do you work on a project related to machine learning, deep learning, or image processing and analysis? Are you interested in harnessing the power of cloud computing for your research? Internet2 CLASS and Microsoft

This 10-week immersive, cohort-based program will provide the opportunity for the research and education community that Internet2 serves to explore how cloud computing can accelerate your research, leverage the vast array of data science tools and services that Azure provides, and ultimately arrive at better and faster scientific

More information is available on the blog post. See the Call for Applications or jump straight ahead and submit

— FUNDING OPPORTUNITIES —

Azure are collaborating on an exciting opportunity: the Azure Accelerator Program for Research!

Microsoft

CloudBank

CLASS

an application. Send along any questions to class@internet2.edu.

—— IDIA AFFILIATION —

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Deadline for White Paper Inquiries and Questions: October 14, 2022 Deadline for White Paper Submission: October 28, 2022, 11:59 p.m. Deadline for Full Proposal Inquiries and Questions: March 10, 2023 Deadline for Full Proposals: March 24, 2023, 11:59 p.m. National Science Foundation - Dear Colleague Letter: Design for Sustainability in Computing

We are eager to hear from you! As we work with your colleges to compile updates on

The Alan T. Waterman Award T. Waterman Award, the nation's highest honor for early-career scientists and engineers. Falls and Aging — The Need for Biomedical Solutions to a Global Problem Lara Thompson, University of the District of Columbia September 12, 2022, 1-2 p.m. Register here. Inequality Daniel Larremore, University of Colorado September 28, 2022, 1-2 p.m. Register here. **Past Climates Inform Our Future** Jessica Tierney, University of Arizona October 11, 2022, 1-2 p.m. Register here.

SBIR/STTR FALL **DEFENSE TECHCONNEC** INNOVATION SUMMIT & EXPO National Institute of Standard National Institutes and Technology of Health

Research & Engineering Defense Threat Department of of Agriculture Reduction Agency (DTRA) Λ F W ∃ R X

Faculty Matters Workshop Series Wednesday, September 7, 1:30-3 p.m. on Zoom. Registration is required.

• Waitlist - Applications of AI for Anomaly Detection • 5 - Scaling CUDA C++ Applications to Multiple Nodes Monday September 19, 2022 9 a.m. - 5 p.m. CET • 3 - Fundamentals of Deep Learning 4 - Building Transformer-Based Natural Language Processing Applications • 4 - Computer Vision for Industrial Inspection • 3 - Building Conversational AI Applications 5 - Building AI-Based Cybersecurity Pipelines 3 - Model Parallelism: Building and Deploying Large Neural Networks Pitch and Pilot: Fairfax County Innovation Challenge Carbon Neutral Pitch and Pilot **REGISTER TO COMPETE** Competition On: October 19, 1-3:30pm initiatives

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 departments 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.

Receive support for **IDIA** relevant events

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- UPCOMING EVENTS — Bring Down Counterfeiting 2022: Policy Hackathon **BRING DOWN** COUNTERFEITING 2022: Policy Hackathon George Mason University's Terrorism, Transnational Crime and Corruption Center (TraCCC) is pleased to partner with Amazon to co-host the 2022 Bring Down Counterfeiting Public Policy Hackathon August 5-November 5, 2022, which is now accepting registrants. Tickets are finite, and registration closes on October 7,

NSF 2022 Waterman Lectures Jessica E. Tierney

Lara A. Thompson Join the U.S. National Science Foundation for a three-part lecture series featuring the laureates of the 2022 Alan Trends in U.S. Faculty Hiring and Retention from Ten Years of Data: A Study of Prestige, Diversity and

WEEKLY-The Office of Faculty Affairs and Development and Research Development are co-sponsoring the Faculty

Matters Workshop Series for fall 2022, which is a workshop series designed to address key issues central to faculty development and success. The first session in the series, "How to Align Your Time and Priorities," focuses on how to make the best use of your time by intentionally aligning your time with your goals. Participants will have the chance to win a free book, Atomic Habits, by James Clear. The workshop is

digital innovation-related research activities at Mason, we would love to hear about your research activities, awards, and recent publications. Please share any successes, concerns, or ideas with us at idia2@gmu.edu Manage your preferences | Opt out using TrueRemove™ Got this as a forward? Sign up to receive our future emails View this email online. George Mason University | 4400 University Drive

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