



THE WEEKLY

Greetings,

Best wishes as we reach the end of another semester. This will be the final edition of The Weekly for this year and we'll resume our weekly newsletters again in February.

In the meantime, if you'd like to stay up-to-date with all IDIA news over the break, please connect with us on [Facebook](#), [Twitter](#), [Instagram](#) and [LinkedIn](#).

And before you enjoy your holiday break, take a moment to check if you're [affiliated with us](#). If you're not and you'd like to be, please submit your affiliation request [here](#).

It was an honor to work with you this year and a pleasure to connect for more opportunities, convene in brainstorming sessions, and cherish your accomplishments. We wish you a great end to the semester and look forward to all the exciting things next semester will bring.

RESEARCH SPOTLIGHT



Jiayang Sun, Ph.D. is a Bernard Dunn Eminent Scholar, Professor of Statistics and the Chair of the Department of Statistics at George Mason University. The IDIA talked with Sun about the Statistics Collaboration Core (SCC) which offers: 1) research expertise, 2) collaboration areas, and 3) research, support, and service in statistics, biostatistics, and data science.

The SCC also has a partnership with INOVA Health.

Learn more about Sun and the SCC [here](#).

UPCOMING EVENTS

Amazon Lightsail Containers Hackathon

Amazon Web Services - one of the most respected groups in the field of technology - just launched a hackathon aimed at designing and developing innovative Cloud solutions. The objective is to develop these Cloud solutions using a service recently created by AWS called Amazon Lightsail Containers.

This service allows developers to easily build containerized applications on the Cloud and save time and resources when deploying and hosting them.

The competition is open to both beginners and experts in the US and no matter how big or small, any solution that uses Lightsail and Lightsail Containers as the main component is welcome.

On top of being mentored by Amazon experts to develop their idea further and connect with AWS executives, the 3 winning projects will be awarded \$750, \$500, and \$250 worth of AWS credits.

To participate, students simply must register on the platform, create/join a team of 2-5 and submit a short 5-10 slide presentation describing their innovative application/solution before January 31, 2022.

For more information, please click [here](#).

NET (Dot.net) is Now Available for Linux on IBM Z and LinuxONE

IBM and Red Hat have teamed up with Microsoft and the open-source community to enable .NET ([Dot.net](#)) for Linux on IBM Z and LinuxONE. Starting with RHEL 8.5, the .NET 6 runtime & SDK are available for Linux on IBM Z and IBM LinuxONE platforms.

Join this session on December 16th to see a technical overview of the porting project, learn how .NET is now supported on Red Hat Enterprise Linux and Red Hat OpenShift Container Platform, and understand some of the benefits of co-locating .NET workloads onto Linux on IBM Z or LinuxONE.

If you are interested in attending the .NET webinar, please email IDIA at idia2@gmu.edu and we will submit your name for registration.

2022 CCI Innovation Boot Camp



2022 CCI Innovation Boot Camp

BUILD A FOUNDATION FOR YOUR FUTURE

DEVELOP PRACTICAL BUSINESS SKILLS

LEARN HOW TO TURN IDEAS INTO PRODUCTS

WORK ON REAL WORLD PROBLEMS

GAIN GUIDANCE FROM ENTREPRENEURS

JANUARY 3

through

JANUARY 7

@ VIRGINIA TECH RESEARCH CENTER - ARLINGTON

VARIOUS OPPORTUNITIES



NIH TECH ACCELERATOR CHALLENGE FOR MATERNAL HEALTH

NIH Technology Accelerator Challenge for Maternal Health

The National Institutes of Health announced that it is offering up to \$1 million in cash prizes for innovative diagnostic technologies to help improve maternal health around the world. The NIH Technology Accelerator Challenge (NTAC: Maternal Health) seeks to spur and reward the development of prototypes for low-cost, point-of-care molecular, cellular, and/or metabolic sensing and diagnostic technologies to guide rapid clinical decision-making, improve patient outcomes, and ultimately help prevent maternal morbidity and mortality.

Click [here](#) to learn more about the NTAC: Maternal Health and consider registering today.

We are pleased to share this new and exciting opportunity with the entire VentureWell community. Impactful solutions can come from anyone, anywhere. Whether you currently work in maternal health innovation, or you are bringing new thinking to this issue, your ingenuity is part of solving this challenge.

FUNDING OPPORTUNITIES

[National Endowment for the Humanities/National Foundation on the Arts and the Humanities - Institutes for Advanced Topics in the Digital Humanities](#)

Full Proposal Date - January 23, 2022

[Keck \(W.M.\) Foundation - Grant Programs - Science and Engineering Research](#)

Full Proposal Date - February 15, 2022

[National Institutes of Health / DHHS - Exploratory Data Science Methods and Algorithm Development in Infectious and Immune-Mediated Diseases \(R21 Clinical Trial Not Allowed\)](#)

Full Proposal Date - February 17, 2022

[National Science Foundation - Industry-University Cooperative Research Program](#)

Full Proposal Date - March 09, 2022

AWARDS

Congratulations to:

Durant, Liza Price Wilson from the [College of Engineering & Computing](#) for receiving the Virginia Innovation Partnership Authority grant on *CCI - Teacher Professional Development Program*.

Wang, Lily from the [College of Engineering & Computing](#) for receiving the National Science Foundation grant on *Statistical Modelling and Inference for Next-Generation Functional Data*.

Wijesekera, Duminda from the [College of Engineering & Computing](#) and Co-PI **Menon, Nirup M.** for receiving the Virginia Innovation Partnership Authority grant on *3G Multi-Access Mobile Edge Server Based Security and Learning for Smart Building*.

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 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](#).

SHARE WITH US

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



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