1st BSU Artificial Intelligence (AI) & Data Science Conference 2025

Brief Schedule

- 8:45am-9am: Program opening & Speech by Provost & Dean
- 9am-11:00am: 3 invited talks
- 11:00am-12pm: 1st panel discussion
- 12pm-1pm: lunch and poster session
- 1pm-2:00pm: 2nd panel discussion
- 2:00pm-3:20pm: 2 invited talks
- 3:20pm-5pm: workshop on AI
- 5:00 Program closing

Detailed Schedule

8:45 am – 9:00 am
Program opening & Speech by Provost & Dean

9:00 am – 11:00 am
Keynote Speeches

- **Dr. Tian Lan, Professor, Department of ECE, George Washington University**
  - **Biography:** Dr. Tian Lan is a professor at the Department of ECE, George Washington University in DC and the Director of Human-centric Autonomy and Robotics (HART) lab. He received PhD in Electrical Engineering from the Princeton University. His research interests include machine learning, optimization, and relevant applications to networking and cyber security. The research is currently being supported by NSF, DARPA, ONR, ARO, USMA, Meta, and CISCO. He has received 6 best paper awards (e.g., IEEE Signal Processing Society, INFOCOM, Globecom, and Mobihoc), 6 industry research awards (from AT&T, CISCO, and META), as well as several faculty recognition and innovation awards. He is currently serving as a member of FCC Technological Advisory Council (TAC), INFOCOM 2026 TPC Chair, Fellow of National Quantum Lab at UMD (NQL), Distinguished Fellow at Center for Cyber Diplomacy and Leadership (CCDL), and Associate Editor for IEEE/ACM Transactions on Networking.

- **Dr. Kun Sun, Professor, Department of Information Sciences and Technology, George Mason University**
    - **Biography:** Dr. Kun Sun is a Professor in the Department of Information Sciences and Technology at George Mason University. He is also the Associate Director of Center for Secure Information Systems (CSIS) and the Director of Sun Security Laboratory. He received his Ph.D. in Computer Science from North Carolina State University. His research focuses on systems and network security. Dr. Sun has more than 20 years working experience in both industry and academia, publishing over 150 conference and journal papers, and four papers won the Best Paper Award. His current research focuses on software security, network security, trustworthy computing, moving target defense, AI security, and cloud security. He won the Presidential Award for Faculty Excellence in Research from George Mason University in 2022.

- **Tina Williams-Koroma, Founder & CEO, TCecure**
    - **Biography:** Tina C. Williams-Koroma, Esq., CISSP, PMP, is a serial entrepreneur – Founder/CEO of TCecure, and most recently, Founder of CyDeploy (https://www.cydeploy.com). She is a Maryland licensed attorney and possesses a BS in Computer Science from the University of Maryland Baltimore County (UMBC), a MS in Management from Rensselaer Polytechnic Institute, and a JD from the University of Maryland Francis King Carey School of Law. She is extremely community-minded, having partnered with local institutions and contributed to several boards.

11:00 am – 12:00 pm
Panel Discussion #1

Topic: Identifying essential hands-on skills in AI & data science field

Panelists:

- **Dr. Martial Michel,** Vice President, AI & Data Science & Chief Technologist, CTO, Infotrend Inc
- **Dr. Bipendra Basnyat,** Co-founder, CEO & CTO, AI SENSE
- **Dr. Abu Zaher Md Faridee**, Applied Scientist, Amazon
- **Dr. Malarvizhi Arulraj**, Assistant Research Scientist, University of Maryland College Park

12:00 pm – 1:00 pm
Poster Session
Lunch

1:00 pm – 2:00 pm
Panel Discussion #2

Topic: Cybersecurity Challenges and AI-guided solution strategies

Panelists:

- **Dr. Ida Ngambeki,** Assistant Professor, Information Systems, University of Maryland Baltimore County
- **Dr. Martial Michel,** Vice President, AI & Data Science & Chief Technologist, CTO, Infotrend Inc.

2:00 pm – 3:20 pm
Keynote Speeches

- **Bahirah Adewunmi, Booz Allen Hamilton**
  - **Biography:** Bahirah is a cyber and analytics thought leader and Founder of Booz Allen Hamilton's Black Analytics Group (BAG). BAG develops research and engagement projects devoted to the advancement of equity and inclusion in and via STEM. Bahirah designed and led the execution of Booz Allen's Historically Black Colleges and Universities (HBCU) Capstone Initiatives to establish mutually beneficial partnerships with HBCU STEM departments and dynamically engage underserved STEM talent. Bahirah is a Certified Ethical Hacker and works as Advanced Data Scientist and Researcher within Booz Allen's National Cyber Platform. She is a multi-coastal transplant by way of Oakland, California; Atlanta Georgia; and Bronx, New York and holds degrees from Cornell University and Carnegie Mellon University. She's currently studying as a PhD student in the topics of cyber security and artificial intelligence at the Information Systems department of the University of Maryland, Baltimore County. She's an avid wiener dog mom, outdoor gardener, Pittsburgh Steelers fanatic, and collector of orchids and Lego sets.

- **Dr. Sean Guillory, Booz Allen Hamilton**
  - **Biography:** Dr. Sean Guillory attained his Ph.D. in Cognitive Neuroscience from Dartmouth College where he primarily worked with neurosurgery patients to help improve the mapping for brain functions that were personally important to their lives. After taking that experience to help build up a start-up business incubator aimed at helping humanity (Fruition Tech Labs) and working on data science efforts to help catch online scammers (ConsumerAffairs), he is now a AI Program Manager for AI Rapid Prototyping and Lead Scientist for Cognitive Domain/Dimension Capabilities here at Booz Allen Hamilton where he focuses on issues within Defense and National Security at the intersection of neurotechnology, human-machine teaming, and information environment.

3:20 pm - 5:00 pm
Workshop
Topic: Using Containers to Develop Machine Learning Applications.
Presenter: Dr. Martial Michel, Vice President, AI & Data Science & Chief Technologist, CTO, Infotrend Inc.

- **Workshop Content:**
  The workshop will be split into:
  - Introduction to containers
  - How to use CTPO (CUDA TensorFlow PyTorch OpenCV) and its setup
  - Demonstration of a few applications

  - CTPO: Cuda, TensorFlow, PyTorch, OpenCV
    CTPO is a container solution that provides the building blocks for research, development, and deployment of Machine Learning, Computer Vision, Natural Language Processing, and Data Science solutions. Being a container, CTPO also supports idempotent deployments: what works on one install is transferable to another system.

    CTPO is free and open-source. End users can tweak it to develop, test, and prototype on local GPUs, in the cloud, and even using Jupyter Notebooks. It supports developing, prototyping, and idempotent deployment of Data Science, Natural Language Processing, Computer Vision, and Machine Learning applications.
    Resources:
    - CTPO: https://github.com/Infotrend-Inc/CTPO
    - CTPO Demo Projects: https://github.com/Infotrend-Inc/CTPO-Demo_Projects

- **Biography:** Dr. Martial Michel is the Chief Technologist for Infotrend Inc., a Full-Stack Solutions Architect with over 25 years of experience in the fields of Cloud Computing, High-Performance Computing, Computer Vision, Machine Learning, and Natural Language Processing. Dr. Michel is the recipient of a Bronze Medal for Superior Federal Service after developing novel evaluation frameworks supporting foundational research and advancements in media analytics. Dr. Michel is the co-chair of the OpenStack Scientific Special Interest Group, served as co-chair of the IEEE 2302-2021, and was a contributor to the NIST SP 500-332