

**Tuesday: MAY 14, 2019 – DAY1**  
**(MSC Ballroom)**

9:00	–	9:10	AM	<b>Highlights of CREDIT Center and MCBDA 2019</b> Dr. Lijun Qian, PI and Director of the CREDIT Center, Regents Professor, Prairie View A&M University
9:10	–	9:30	AM	<b>Greetings and Overview of Prairie View A&amp;M University</b> Dr. Ruth Simmons, President of Prairie View A&M University
9:30	–	9:50	AM	<b>DOD Center of Excellence Program</b> Ms. Evelyn Kent, DOD HBCU/MI Program Director and Dr. Timothy S. Kroecker, AFRL Program Manager
9:50	–	9:55	AM	<b>Industry Partner of the Year Award</b> Dr. Pamela Obiomon, Dean of the Roy G. Perry College of Engineering, PVAMU
9:55	–	10:35	AM	<b>Keynote Speech I: “Key Trends in Deep Learning: Moving From Experimentation to Deployment, and Future Workloads”</b> Mr. Matt Beale, Artificial Intelligence Products Group (AIPG), Intel
10:35	–	10:45	AM	<b>Break</b>
10:45	–	11:00	AM	<b>Technical Presentation: “Physics-Guided Data Science for Earthquake Detection”</b> Research Thrust 1 Team of the CREDIT Center (Drs. Huang, Chapman; Graduate Research Assistants: Myron Garner, Isaiah Brown, Hao Zheng, Sokunbi Oluwasomidotun)
11:00	–	11:15	AM	<b>Technical Presentation: “Computation Offloading in Mobile Edge Computing (MEC) Networks: A Multi-Task Learning Approach”</b> Research Thrust 2 Team of the CREDIT Center (Drs. Qian, Fuller, Yang; Graduate Research Assistants: Joshua Bassey, Oluwaseyi Omotere, Damilola Adesina, Shanta Chowdhury)
11:15	–	11:30	AM	<b>Technical Presentation: “Efficient Deep Learning on Embedded Systems via Autoencoder”</b> Research Thrust 3 Team of the CREDIT Center (Drs. Wu, Li, Obiomon; Graduate Research Assistants: Omobayode Fagbohunbe, Sheikh Rufsan Reza, Uboho Victor)
11:30	–	11:45	AM	<b>Technical Presentation: “Aircraft Location Prediction using Deep Learning”</b> Research Thrust 4 Team of the CREDIT Center (Drs. Dong, Wu, Qian; Graduate Research Assistants: Chandra Mouli Madhav Kotteti, Samuel Bamgbose, Olutobi Adagunodo)
11:45	–	12:30	PM	<b>Undergraduate Students Lightning Round Presentations/ Demos:</b> Each undergraduate research team will give a 5-minute presentation/demo to highlight their research projects. The Undergraduate Students Team of the CREDIT Center (including Navy and Army ROTC students)

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12:30 – 2:00	PM	<p><b>Luncheon with Featured Keynote Speech II: “Artificial Intelligence (AI) in the U.S. Department of Defense”</b> Dr. Carla Cotwright-Williams, Joint Artificial Intelligence Center (JAIC), Department of Defense</p>
2:00 – 2:30	PM	<p><b>Keynote Speech III: “Innovation in Big Data, AI and Cloud Computing at IBM”</b> Dr. Dexter Henderson, Vice President, Business Development, IBM Cognitive Systems</p>
2:30 – 3:00	PM	<p><b>Technical Presentation: “Multi-Domain Dynamic Targeting”</b> Dr. Benjamin Ritz and Lt. Aron R. Wing, Air Force Research Lab</p>
3:00 – 3:30	PM	<p><b>Technical Presentation: “Online Controlled Experiments, Learning From Running A/B/n Tests At Scale”</b> Dr. Kaska Adoteye, Data Scientist, Microsoft Corp.</p>
3:30 – 4:00	PM	<p><b>Technical Presentation: “Data at the center – how the subsurface data universe will transform subsurface evaluation and derisking”</b> Mr. Tim Roden, Shell Global Solutions US Inc.</p>
4:00 – 4:10	PM	<p><b>Break</b></p>
4:10 – 4:40	PM	<p><b>Technical Presentation: “Performance Analysis of Deep Learning Workloads on Leading-edge Systems”</b> Dr. Yihui (Ray) Ren, Computational Science Initiative, Brookhaven National Lab</p>
4:40 – 5:10	PM	<p><b>Technical Presentation: “Data Science Enabled Identification”</b> Dr. Kaushik Roy, Associate Professor, North Carolina A&amp;T State University</p>
5:10 – 5:40	PM	<p><b>Technical Presentation: “Blockchain-based Cybersecurity Information Sharing for Improved Resiliency”</b> Dr. Deepak K Tosh, Assistant Professor, University of Texas at El Paso</p>
5:40 – 6:00	PM	<p><b>Technical Presentation: “Toward Convergence of HPC and Data Science for Seismic Inverse Problem”</b> Mr. Jeremy Kamp, Research Associate, CREDIT Center</p>
6:00 – 7:30	PM	<p><b>Workshop Reception with Student Poster Session and Competition</b> Facilitator: Dr. Kelvin Kirby, Professor and Department Head, Department of Electrical and Computer Engineering, Prairie View A&amp;M University</p>

**Wednesday: MAY 15, 2019 – DAY2**  
**(Electrical Engineering Building)**

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**Training Session**

9:00 – 10:00 AM      **“IBM Power 8 server and FPGA accelerator: Fundamentals”**,  
presented by Dr. Peter Hofstee, Distinguished Research Staff  
Member, IBM Austin Research Laboratory  
Advanced Computing Lab  
Electrical Engineering Building

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10:00 – 10:15 AM      **Break**

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10:15 – 11:15 AM      **“IBM Power 8 server and FPGA accelerator: Hands-on  
Experiments”**, presented by Dr. Peter Hofstee, Distinguished  
Research Staff Member, IBM Austin Research Laboratory  
Advanced Computing Lab  
Electrical Engineering Building

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11:15 – 11:30 AM      **Break**

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**Demo Session**

11:30 – 1:00 PM      **Lab tour and project demonstrations by the CREDIT team**  
Deep Learning Lab  
Electrical Engineering Building

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1:00 – 2:00 PM      **Lunch Break**

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**Advisory Board Meeting**

2:00 – 4:00 PM      **Wrap up Discussions** in the conference room of the Department  
of Electrical and Computer Engineering (Room 315D, 3rd floor of  
the Electrical Engineering building)  
All stakeholders (by invitation only)

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4:00                  PM      **Adjourn**

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