



NSF Cloud and Autonomic Computing Summit & Center Meeting
Oct. 2-4, 2019 – Texas State University, San Marcos, Texas
(Advance Registration Required)

Wednesday, October 2, 2019
Location: Embassy Suites - San Marcos Hotel

16:00-19:30	Registration Desk Open
18:00-19:30	Welcome Reception at Embassy Suites (Invitation Only)
18:00-18:10	Welcome (Dr. Christine Hailey, Dean of College of Science and Engineering, Texas State University)
18:10-18:20	Welcome (Dr. Hongchi Shi, Chair of Computer Science Department)
18:20-18:40	Introduction of CAC Center (Drs. Sill Alan, Salim Hariri, Ziliang Zong)
18:40-18:50	CIEDAR Initiative (Andres Carvallo, CEO and Founder of CMG and Former CIO of Austin Energy)
18:50-19:20	Keynote (Mr. Drew Scheberle, Sr. Vice President, Austin Chamber of Commerce)
19:20-19:30	Logistics for Meetings at STAR Park (Drs. Ziliang Zong and Apan Qasem)
19:30-21:00	Casual Networking at Embassy Suites

Thursday, October 3, 2019
Location: STAR Park, Texas State University

08:00-11:00	Registration Desk Open
07:30-09:30	Shuttle from Embassy Suites to STAR Park (leaving every 30 min)
08:00-08:30	Light Breakfast and Networking
08:30-08:40	Opening Remarks: Dr. Walt Horton – Chief Research Officer, Texas State University
08:40-08:50	STAR Park Introduction (Dr. Thomas H. Myers, Associate Dean and Co-Director, MARC)
08:50-09:20	Keynote: NSF IUCRC Program (Dr. Behrooz Alex Shirazi, NSF IUCRC Program Director)
09:20-09:40	CAC Center Directors Report (Dr. Alan Sill and Dr. Salim Hariri)
09:40-10:10	Keynote (Dr. Siddhartha Chatterjee, General Manager of Cloud Services, Persistent Systems)
10:10-10:20	Coffee Break
10:20-11:05	<p>Panel 1: Cloud Computing – The Business and Technology Perspective</p> <p>Panelists: Ted Lehr (Moderator, City of Austin), John Carter (IBM), Doug Thompson (Microsoft), Andy Chang (KUKA), Weijia Xu (TACC)</p> <p>Panelists from leading cloud computing companies will discuss the state-of-the-practice and future directions of the Cloud, from both business and technology perspectives.</p>
11:05-11:50	<p>Panel 2: Challenges for Cloud and Autonomic Computing</p> <p>Panelists: Carlos Nevarez (Moderator, BPU), Da Li (Facebook), Jon Hass (DELL), Neil Barrett (DISA), Rajesh Vijayarajan (HPE)</p> <p>Panelists will brainstorm the imminent challenges in Cloud and Autonomic Computing with respect to AI, Big Data, IoT and Smart Edge computing, privacy, and Cybersecurity.</p>
11:50-12:50	Lunch
12:50-13:00	LIFE System Review – Dr. Drew Rivers, NSF Designated Evaluator
13:00-14:30	<p>Session: New Project Proposals (10 min presentation, 5 min Q&A and completion of LIFE forms)</p> <p>Faculty and students present new research ideas to IAB and industry members.</p>



	2020-TTU-1: Data Center Control for Renewable Energy Applications (Alan Sill) 2020-TXSTATE-1: Efficient Datacenter-Level Disaster Recovery (Ziliang Zong) 2020-UA-1: Parallel Machine Learning Models (PMLM) for Securing IoT infrastructure (Pratik Satam) 2020-TXSTATE-2: Data Movement Optimization of RLWE-based Homomorphic Encryption on Coherent Accelerators (Apan Qasem) 2020-UA-2: Tactical Cyber Immune System (Gregory Ditzler) 2020-UNT-1: Declustered RAID for HPC Storage Systems and UNT Affiliated Site Updates (Song Fu)
14:30-15:30	2019 Continuing Project Updates and Reports (10 min reports, 5 min Q&A and completion of LIFE forms) Faculty and students will report progress of projects that have been funded by the research center. Industry members will evaluate the progress and provide feedback to each project. 2019-TTU-1: Visualizing, Monitoring, and Predicting Health Status of HPC Centers (Tommy Dang) 2019-UA-1-Artificial and Emotional Intelligence in Health-Care (Jeno Szep) 2019-TTU-2: Extended Base Global Address Space for Data Center Scale Addressing (Yong Chen) 2019-UA-2-Seniors' Virtual Assistant (SeVA) (Chongke Wu)
15:30-15:45	Coffee Break
15:45-17:00	2019 Continuing Project Updates and Reports (10 min reports, 5 min Q&A and completion of LIFE forms) Faculty and students will report progress of projects that have been funded by the research center. Industry members will evaluate the progress and provide feedback to each project. 2019-UA-3-MLABA:Multi-Layer Anomaly Behavior Analysis (Sicong Shao) 2019-UA-4-Twitter Author Identification Using Unsupervised Learning (Cihan Tunc) 2019-TTU-3: Predictive Models for Mental Health Diversion from Jails (Lisa Gittner) 2019-UA-5-Bluetooth Security for Smart Infrastructures (Shalaka Satam) 2019-UA-6-FCTaaS: Federated Cyber Security Testbed as a Service (Birkan Kolcu)
17:00-18:00	Break and Poster Setup; Casual networking opportunities between industry members and prospective members, project leaders, research faculty, staff, students, and NSF attendees.
18:00-20:00	Poster Session and Dinner (Students will present their research projects via poster and demo)
19:30-20:30	Shuttle from STAR Park to Embassy Suites (leaving every 30 min)

Friday, October 4, 2019
Location: STAR Park, Texas State University

07:30-09:30	Shuttle from Embassy Suites to STAR Park (leaving every 30 min)
08:30-09:00	Light Breakfast and Networking
09:00-09:30	L.I.F.E. Comments Review and Project Discussion
09:30-10:00	Project Refinement with Prospective Members
10:00-10:15	Coffee Break
10:15-11:00	Closed IAB Business Meeting Presided by IAB Chair
11:00-11:30	Closed Session between Industry Attendees and NSF PD & Evaluator
11:30-12:00	Wrap up, Setting Dates for Next Meeting etc.
12:00	Close of Meeting Followed by Box Lunch
12:00-13:00	Shuttle from STAR Park to Embassy Suites (leaving every 15 min)