NSF Cloud and Autonomic Computing Summit and Industry Advisory Board Meeting
June 1st-2nd, 2020 – Online Event

(Advance Registration Required, please register at: https://cac-spring-2020.eventbrite.com/)
AFTER you register, please join the Teams conference at: https://tinyurl.com/cac-2020-spring

Monday, June 1st, 2020 *(all times are in CDT)*

09:00-09:15 CDT	**Online Networking**
09:15-09:20	**Opening Remarks**, Dr. Joseph A. Heppert, Vice President for Research & Innovation, Texas Tech University **Meeting Logistics**, Dr. Yong Chen, Texas Tech University
09:20-09:40	**CAC Center Directors Report**, Dr. Alan Sill (Texas Tech University) and Dr. Salim Hariri (University of Arizona)
09:40-10:05	**Industry Keynote #1**: Kraken: A Framework for Declarative Automation of Distributed Systems, Lowell Wofford, DOE Los Alamos National Laboratory Session Chair: Yong Chen
10:05-10:50	**Panel**: Challenges and Opportunities for Cloud and Autonomic Computing **Panelists**: Jon Hass (Dell EMC), Neil Barrett (DISA), Eric Cheng (LPS), Carla Sayan (Raytheon). **Moderator**: Alan Sill *Panelists will discuss their interests and needs as IAB Board Member or Prospective Member and brainstorm challenges and opportunities collectively.*
10:50-11:00 CDT	**Coffee Break (Virtual)**
11:00-11:25	**Keynote**: Overview of the Industry-University Cooperative Research Centers (IUCRC) Program, Dr. Behrooz Alex Shirazi, NSF IUCRC Program Director Session Chair: Dr. Ziliang Zong, Texas State University
11:25-11:50	**Industry Keynote #2**: Lancium: Powering the Carbon-Free Future of Computing, Andrew Grimshaw, Lancium LLC Session Chair: Dr. Susan Mengel, Texas Tech University
11:50-12:15	**University Keynote #1**: Visual Analytics for High-dimensional and Time-series Data, by Tommy Dang, Texas Tech University Session Chair: Susan Mengel
12:15-12:40	**University Keynote #2**: Resiliency in Cloud Services: Monitoring and Analyzing the Services, by Cihan Tunc, University of Arizona Session Chair: Dr. Song Fu, University of North Texas
12:45-13:45 CDT	**Lunch Break**
13:45-14:00	**LIFE (Level of Interest and Feedback Evaluation) System Review**, Dr. Drew Rivers, NSF Designated Evaluator
14:00-15:00	**Continuing Project Updates and Reports** **Session Chair:** Dr. Ali Akoglu, University of Arizona (10-min presentation, 5-min Q&A and completion of LIFE forms) *Faculty, students, and researchers will report progress of projects that have been funded by CAC. 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, Yong Chen, Alan Sill, Ngan Nguyen, Jie Li, Ghazanfar Ali) 2019-UA-1: SeVA: Senior Virtual Assistant (Chongke Wu) 2019-TTU-2: Extended Base Global Address Space for Data Center Scale Addressing (Yong Chen, John Leidel, Xi Wang, Brody Williams) 2019-TTU-3 and 2020-TTU-4: Predictive Models for Mental Health Diversion from Jails (Lisa Gittner, Hafiz Khan, Mario Pitulia)
15:00-15:15	**Closing-Out Project Reports** Session Chair: Carlos Nevarez, BPU (3-min presentation, 2-min Q&A and completion of LIFE forms) 2019-UA-2: Twitter Author Identification Using Unsupervised Learning (Sicong Shao) 2019-UA-3: An Anomaly-based Intrusion Detection System (Shalaka Satam)
15:15-15:30	**IAB Board Members and Prospective Members Feedback**
15:30-16:00 CDT	**Coffee Break (with Virtual Break-out Rooms *)**
16:00-17:15	**New Project Proposals** **Session Chair:** Dr. John Leidel, Tactical Computing Laboratories (10-min presentation, 5-min Q&A and completion of LIFE forms) *Faculty, students, and researchers will present new research ideas to IAB Board Members and prospective members.* 2020-TTU-1: Data Center Control for Renewable Energy Applications (Alan Sill) 2020-UA-1: Automated Machine Learning Guided Optical Character Recognition Framework (Ali Akoglu) 2020-TTU-2: Integrated Visualizing, Monitoring, and Managing HPC Systems (Tommy Dang, Yong Chen, Alan Sill, Ngan Nguyen, Jie Li, Ghazanfar Ali) 2020-UA-2: Navy Autonomic Cybersecurity Operations Center (NACOC) (Mamadou Diallo) 2020-TTU-3: xBGAS (Extended Base Global Address Space) Filesystem and Architecture Optimizations (Yong Chen, John Leidel, Xi Wang, Brody Williams)
17:15-17:30	**IAB Board Members and Prospective Members Feedback**
17:30-18:00	**Affiliate Site (Ravi Vadapalli, UNT; Ziliang Zong, TXSTATE) / International Site Updates (Jesus Pacheco, UNISON)**
18:00-18:15 CDT	**Wrap-up and Meeting Adjourned until 9:15 a.m. on June 2nd, Tue.**

Tuesday, June 2nd, 2020 *(all times are in CDT)*

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09:15-09:25 CDT	**Online Networking**
09:25-09:30	**Meeting Logistics**, Dr. Yong Chen, Texas Tech University
09:30-10:30	**LIFE (Level of Interest and Feedback Evaluation) Form Review & Discussion** **Session Chair:** Dr. Drew Rivers, NSF Designated Evaluator
10:30-11:00	**Coffee Break (with Virtual Break-out Rooms *)**
11:00-11:30	**Closed IAB Business Meeting Presided by IAB Chair**
11:30-12:00	**Closed Session between Industry Attendees, NSF Program Director & Evaluator**
12:00-12:15 CDT	**Wrap-up and Setting Dates for Next Meeting**
12:15	**Close of Meeting**

* Virtual Break-out Rooms

Green room: *https://tinyurl.com/cacgreenroom*
Blue room: *https://tinyurl.com/cacblueroom*
Gold room: *https://tinyurl.com/cacgoldroom*