

Agenda: Cloud and Autonomic Computing Center (CAC) Semi-Annual IAB Meeting
October 5-6, 2016 Dallas TX

Wednesday, October 5, 2016

- 7:30am Registration Desk Open
- 8:00-8:30 Continental Breakfast and Informal Socialization Opportunities
- 8:30-9:00 Attendee Introductions
- 9:00-9:30 Center Director's Status Report; MSU Director Update, UA Director Introduction
- 9:30-10:00 NSF Program Director Update
- 10:00-10:15 Center Evaluator NSF Survey Introduction and Distribution
- 10:15-10:30 Coffee Break
- 10:30-11:30 **Session I: Project Updates (10 min reports, 5 min Q&A and completion of LIFE forms after each project)**
2016-TTU-1 Cloud Benchmarking & Performance (Yong Chen, Elham Hojati) AND
2016-TTU-4 Cloud Standards Testbeds (Alan Sill, Priyanka Kumari, Raihan Mamjuder)
2016-TTU-2: Unistore (Wei Xie, Jiang Zhou, Yong Chen)
2016-TTU-3: Financial Intelligence for Banks (Zhangxi Lin, Jerry Perez)
2016-TTU-5: Precision Risk Analytics: Exposome Big Data (Heather Guthrie, Ravi Vadapalli, Lisa Gittner, Hafiz Khan)
- 11:30-12:30 Lunch
- 12:30-2:30 **Session II: New Project Proposals (15 min reports, 5 min Q&A and completion of LIFE forms after each project)**
2016-UA-1: VIMP: Vehicle Information and Management Portal (Pratik Satam)
2016-UA-2: Security Framework for Supply Chain Management Services (Salim Hariri)
2016-UA-3: Online Big Data Analytics for Cyber Systems (Greg Ditzler)
2016-UA-4: Resilient Cloud Services (Cihan Tunc)
2016-UA-5: Anomaly Behavior Analysis for IoT Sensors (Jesus Pacheco)
2016-MSU-1: A Decision Support Tool for Autonomic Security Management (Stefano Iannucci)
- 2:30-3:00 Coffee Break
- 3:00-5:00 Blue Sky discussion (see next page)
- 5:00-6:00 **Student Poster Session**
- 6:30-8:30 Dinner (Provided) and Networking

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Thursday, October 6, 2016

8:30-9:00 Breakfast

9:00-12:00 **Session III: Project review and adjustments; meeting conclusions**

9:00-9:30 L.I.F.E. comments review

9:30-10:00 Project review and selection by IAB

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 the NSF evaluator

11:30-12:00 Wrap up, setting dates for next meeting etc.

12:00 CLOSE OF MEETING followed by lunch provided at the meeting location.

Blue Sky Discussion (Wednesday 3:00-5:00): The main goal is to identify new pre-competitive research and business development opportunities that leverages widespread expertise accessible through CAC. A formal agenda will be made available as soon it is finalized.

Outline: Catastrophic health conditions, such as cardio vascular diseases (CVD), consume about \$860B for every trillion in healthcare costs annually in the United States and contribute significantly to mortality. Accountable Care Organizations (ACOs) and Health Information Exchanges (HIEs) increased the complexity and demand for big data analytics leading to precision medicine. More Recently, telemedicine and sophisticated device technologies are geared towards improving patient-to-physician interaction time and business opportunities therein. Breakthroughs in genome sequencing technologies and data processing algorithms added a new dimension to precision medicine. While all these players are converging on efficient and affordable care management approaches for mitigating the cost of healthcare, their success critically depends on real-time processing of disparate datasets and seamless translation of the knowledgebase into efficient and effective healthcare, without comprising patient privacy and provider/payor accountability. The main purpose of this blue sky is to bring together the stakeholders from both private and public sectors and brainstorm on innovative industry-research partnership opportunities that could address current and developing challenges in healthcare.