



ANNOUNCING THE SPRING NSF I/UCRC MEETING AT THE ASU UNIVERSITY CLUB

NSF Net Centric I/UCRC

UNT ASU SMU UTD MISSOURI S&T

I/UCRC Meeting April 2-3, 2014
ASU University Club, Tempe, AZ

NSF Net-Centric Software & Systems Center
A NSF Industry/University Cooperative Research Center

Register at: <http://netcentric.cse.unt.edu/>

Agenda April 2-3, NCSS I/UCRC at ASU University Club

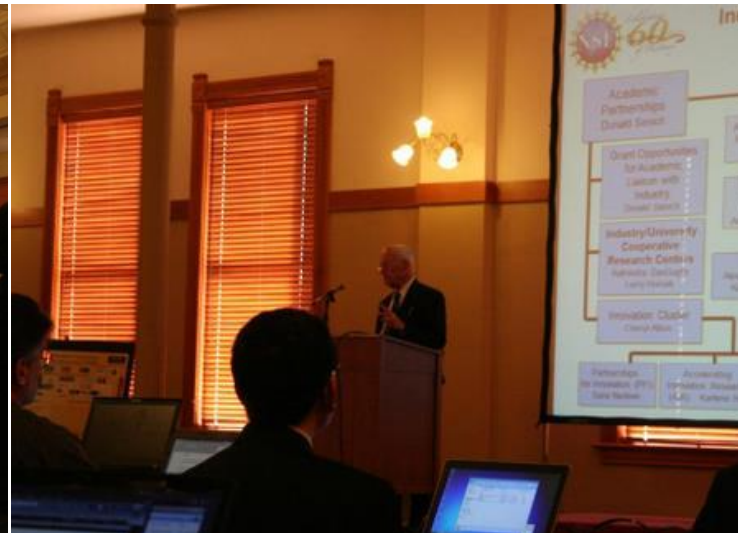
April 2, 2014

8am – 2pm Proposals and Reports

2:30pm – 6pm Reception, posters, open house

April 3, 2014

9am – 12pm Industry Advisory Board Meeting



PRELIMINARY PROGRAM (subject to change)

APRIL 2-3, 2014

DAY 1 April 2:

Welcome (A. Spanias, ASU SenSIP Site Director)

Opening Remarks (ASU Official)

The NCSS I/UCRC (K. Kavi, Director)

The NSF I/UCRC Program (A. Schwarzkopf, R. Rodriguez, C. Scott, NSF)

Plenary Session: DOD Proposals and Industry-I/UCRC (TBD - tentative)

Proposals

- UTD-1** **New UTD Proposal:** High-Quality Domain-Specific Cloud-Based Visualization Systems, Kang Zhang
- ASU-1** **New ASU PROPOSAL 1:** Underdetermined Direction-of-Arrival / Array Processing Using Virtual Array Concepts, Dan Bliss
- ASU-2** **New ASU PROPOSAL 2:** Contextual Activity Analysis for Android DSP Applications, Pavan Turaga
- ASU-3** **Continuing ASU Proposal:** Understanding Human Activity Beyond the Visible Spectrum, Pavan Turaga

Coffee Break (15 min)

Reports

- ASU-4** **Report:** Sequential Wireless Sensor Network (WSN) Discovery, Mahesh K. Banavar
- UNT-1** **Report 1:** 3D DRAMs and Processing in Memory, Krishna Kavi
- UNT-2** **Report 2:** Secure Policy Engine in Hypevisor using Hardware Trust Mechanisms, Mahadevan Gomathisankaran
- UTD-2** **Report 1:** Systems of Systems Engineering: A Goal-driven Architecture Simulation Approach, Lawrence Chung
- UTD-3** **Report 2:** Role-Based Integrated Security and Data Provenance Modeling and Assurance, I-Ling Yen
- UTD-4** **Report 3:** Distributed Computing Framework for Internet of Things based Systems, Farokh Bastani
- MST-1** **Report 1:** Pre-distribution Scheme for Data sharing in Mobile Cloud Computing
- MST-2** **Report 2:** TSV Oriented Three-Dimensional Integrated System Design for Robust Mobile Computing
- MST-3** **Report 3:** Real-time Localized BMS for Battery Packs

Lunch Break

Defining NCSS Areas and Directions (90 min) (Mark Bowler, Krishna Kavi)

IAB Members, Faculty, Industry

2:30pm **Break / Poster Preparations**

3pm to 6pm **Poster Session / Open House / Reception**

POSTERS

| | |
|---------------------|---|
| ASU Poster 1 | Intelligent Networked Solar Panel Array Management |
| ASU Poster 2 | Sequential Wireless Sensor Network (WSN) Discovery |
| ASU Poster 3 | Signal Processing Algorithms and Apps for Health Monitoring |
| ASU Poster 4 | Network Theory and Signal Processing for Big Data Problems |
| UTD Poster 1 | Systems of Systems Engineering: A Goal-driven Architecture Simulation Approach |
| UTD Poster 2 | Role-Based Integrated Security and Data Provenance Modeling and Assurance |
| UTD Poster 3 | Distributed Computing Framework for Internet of Things based Systems |
| UNT Poster 1 | Secure policy engine in hypervisor using hardware trust mechanisms |
| UNT Poster 2 | Vulnerability ontology for cloud security |
| UNT Poster 3 | Ontologies for privacy settings in social networks |
| UNT Poster 4 | Processing in memory using hybrid memory cubes |
| UNT Poster 5 | Workload characterization of Cloud and emerging applications |
| UNT Poster 6 | Eliminating unnecessary write-backs in cache memories |
| SMU Poster 1 | Improved division algorithms for ALU designs and improved network algorithms for wireless and peer-to-peer networks |
| SMU Poster 2 | Defect analysis and quality improvement for cloud computing systems |
| SMU Poster 3 | TBD |
| MST Posters | TBD |

Adjourn 6pm

DAY 2

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|-------------|--------------------------|
| 9am | <i>Project Selection</i> |
| 10am | <i>IAB Business</i> |
| 11am | <i>Boxed Lunch</i> |

VENUE

University
425 East University Drive, Tempe, AZ 85281(480) 965-0700



Hotels

- A.** *Courtyard by Marriott Tempe* 601 S Ash Ave, Tempe, AZ, US, 85281 (3 star) Phone: (800) 321-2211
- B.** *Twin Palms* 225 E Apache Blvd, Tempe, AZ 85281 (2.5 star) Phone: (480) 967-9431
- C.** *Tempe Mission Palms* 60 E 5th St, Tempe, AZ 85281 (4 star) Phone: (480) 894-1400
- D.** *Four Points Sheraton* 1333 S Rural Rd, Tempe, AZ 85281 (3 star) Phone: (480) 968-3451

