Cloud and Autonomic Computing Center (CAC) Semi-Annual Industry Advisory Board Meeting
November,11-12 2021
The University of Arizona, Tucson, AZ

Hybrid Event

Advance Registration Required, please register at:
https://tinyurl.com/cacFall21Registration
AFTER you register, please join the Zoom conference at:
https://tinyurl.com/cacFall21zoom
Join Zoom Meeting
Password: 596161

Thursday, November 11, 2021
Location: Electrical and Computer Engineering Department Room 556Q
(all times are in MST)

9:00-9:15	Online networking
9:15-9:45	**CAC Center Directors Report**, Dr. Alan Sill (Texas Tech University) and Dr. Salim Hariri (University of Arizona)
9:45-9:50	**LIFE (Level of Interest and Feedback Evaluation) System Brief Review**
9:50-10:20	**New industry members and introductions**
10:20-11:30	**Continuing Project Updates and Reports** (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.* 2021-TTU-1:Data Center Control for Renewable Energy Applications (Presenter: Alan Sill) 2021-UA-1: Artificial Intelligence (AI) based Reputation Management Service (AI-RMS) (Pratik Satam) 2021-TTU-2: Integrated Data Collection and Visualization Framework for Data Centers based on Telemetry Model (Presenters: Jie Li and Ngan Nguyen) 2021-TTU-3: xBGAS Architecture Optimizations and Applications (Presenters: Brody Williams and Mert Side) (Short discussion of other projects started in 2021 based on incoming new members)
11:30-12:00	**Updates from Affiliate Sites** University of North Texas - Ravi Vadapalli University of Sonora (International Site) - Jesus Pacheco

12:00-13:00	Lunch
13:00-14:15	**New Project Proposals/Previews** (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.* *2022-TTU-1* Renewable Energy Powered Data Center Control (Alan Sill) *2022-UA-1* Non-Fungible Token (NFT) based Digital Rights Management (NFT-DRM) (Pratik Satam) *2022-TTU-2* Harnessing In-Network Compute for HPC System Architectures (Presenters: Yong Chen and Michael Beebe) *2022-UA-2* Inter-Architecture Portability of Deep Neural Network and Side Channel Attack (Gregory Ditlzer) *2022-UA-3* 5G based Federated Testbed for Cybersecurity (5G-FTCS) (Salim Hariri)
14:15-14:30	Coffee Break
14:30-16:00	**Poster Session and Feedback (https://tinyurl.com/Fall2021Posters)**
16:00-17:00	**IAB Business Meeting**
18:00	**Dinner**

Friday, November 12, 2021
Location: Electrical and Computer Engineering Department Room 556Q

10:00-12:30	Session III: Project review and adjustments; meeting conclusions
10:00-10:30	L.I.F.E. comments review
10:30-11:00	Project review and selection by IAB
11:00-11:30	Closed IAB Business meeting presided by IAB chair
11:30-12:00	Closed session between industry attendees and the NSF evaluator
12:00-12:30	Wrap up, setting dates for next meeting etc.
12:30	Close of meeting followed by lunch provided at the meeting location.

Venue

The event will be held at The University of Arizona in Tucson, Arizona.
The **Meeting** will take place at the Electrical and Computer Engineering Department, 1230 E. Speedway Blvd., Tucson, AZ 85721.
Conference Room: 556Q

University of Arizona map: http://map.arizona.edu/

Parking in front of the ECE building is free on November 11.
Other parking: 2nd Street Garage, see the map below.

Suggested Lodging Arrangements

-Tucson Marriott University Park (Main Gate Square, 880 E 2nd St, Tucson, AZ 85719).

- Best Western Royal Sun Inn & Suites (1015 N Stone Ave, Tucson, AZ 85705)
- Aloft Tucson University (1900 E Speedway Blvd, Tucson, AZ 85719)
- Hotel Congress (311 E Congress St, Tucson, AZ 85701)

More Information

Who should attend this event?
Industry Advisory Board members from member companies and/or their designated representatives should attend. Note that voting will take place on industry-sponsored projects for the upcoming year for the center. National Science Foundation program officers or their appointed program evaluators are also welcome to attend, along with students and faculty members associated with CAC projects from all university sites. The CAC meeting is restricted to IAB members, NSF personnel and CAC university faculty or student project participants. Prospective members from companies or organizations interested in the CAC may request to attend the rest of the sessions of the meeting if desired, which requires signing a non-disclosure agreement.

What will happen at the meeting?
The primary purpose of the CAC meeting is to review progress on projects and proposals for new research projects to be presented to the Industry Advisory Board. The bulk of the agenda will be devoted to CAC site and project reports and on a prospectus for upcoming work to be conducted by the researchers of the center. The meeting will also include a review of the NSF I/UCRC program, discussion and explanation of CAC by-laws, election of the CAC IAB chair and vice-chair, and other IAB business.

Who can I contact for questions?
Send any questions regarding the center or the meeting arrangements to Ali Akoglu (akoglu@email.arizona.edu) or Salim Hariri (hariri@email.arizona.edu). You may also contact Ms. Nancy Emptage (emptagen@email.arizona.edu) for questions regarding lodging and local transportation.

How should I get from the airport to the meeting location?
The University of Arizona, Electrical and Computer Engineering Department, Room 556Q
UA Campus Map is at:
http://map.arizona.edu/
From the airport to the University of Arizona (8.7 mi)
By shuttle: There are shuttles available at the airport: http://www.azstagecoach.com/airport-shuttle.html
If you rent a car: Take S Tucson Blvd and South Kino Pkwy to N Mountain Ave, Head south on S Tucson Blvd, Slight left toward S Tucson Blvd, Sharp left onto S Tucson Blvd, Continue onto E Benson Hwy,Turn right onto S Campbell Ave/Kino Pkwy/South Kino Pkwy, Continue to follow South Kino Pkwy, Continue onto N Campbell Ave,
Use the left 2 lanes to turn left onto E Speedway Blvd, Continue on N Mountain Ave. Drive to E 2nd St, Turn left onto N Mountain Ave, Turn left onto E 2nd St. Enter Second Street Garage on the south side of the street. This is a pay parking garage

How long will the meeting last?
The IAB agenda will cover all day Thursday, November 11 through the morning of Friday, November 12.
Please plan to arrive in time for an 8:00 am meeting start each day.

What is the cost to attend?
Attendance at the meeting is free for all CAC participants (IAB members, associated NSF program officers or evaluator, CAC-affiliated faculty members, researchers or students), but limited to these attendees. Please register for confirmation.

What meals will be provided?
Lunch and break refreshments each day at the IAB meeting for all registered CAC attendees.