

Center for Embedded Systems

An NSF Industry/University Cooperative Research Center

Year 5: Industry Advisory Board (IAB) Annual Meeting
IAB Annual Meeting - Minutes
May 17, 2013, 8:30 a.m.
IAB Host / Location: Southern Illinois University / O'Fallon, IL

CONFIDENTIAL

revised: July 30, 2013

The meeting was conducted by IAB chair Byron Gillespie, Intel – AZ.

ATTENDEES

IAB Members (ASU)

Byron Gillespie	byron.r.gillespie@intel.com	Intel - AZ
Jennifer Wang	wangj@marvell.com	Marvell Semiconductor
Rex Hill	refordh@qti.qualcomm.com	Qualcomm
Troy Gangwer	tagangwer@raytheon.com	Raytheon
Jim Kapinski	jim.kapinski@tema.toyota.com	Toyota

IAB Members (SIU)

Sung Kim	skim@rockwellcollins.com	Rockwell Collins
Jeff Nelson	jeff.nelson2@utas.utc.com	UTC Aerospace Systems
Mike Krenz	michael.krenz@utas.utc.com	UTC Aerospace Systems
Shawn Warner	shawn.warner@hs.utc.com	UTC Aerospace Systems

NSF Members

Craig Scott	scottcs@uw.edu	University of Washington
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CES Team

Sarma Vrudhula – center director	vrudhula@asu.edu	Arizona State University
Spyros Tragoudas – site director	spyros@engr.siu.edu	Southern Illinois University
Lisa Christian – project manager	lisa.christian@asu.edu	Arizona State University
Nancy Beasley – project manager	nancyj0@siu.edu	Southern Illinois University

OLD BUSINESS

- Approve minutes from January 2013 meeting
 - Minutes approved
 - LC to indicate approval in minutes and post on website
- Vote to revise the Annual Timeline / Project Cycle in by-laws to clarify the final project reporting process, which will now reside in the CES Operating Processes document
 - Approved
 - LC to update bylaws and CES Operating Processes and post on website
- Review Year 5 financial projections
 - ASU \$350; SIU \$250
 - Dickey-john and Caterpillar have withdrawn membership
 - Hamilton Sundstrand now part of UTC Aerospace Systems
- Update: invention disclosures
 - Georgios Fainekos to send invention disclosure info to Rita
 - CES to notify NSF each time invention disclosure distributed and send documentation
 - CES to forward notifications to CES member list
- Update: FRP- thermal energy harvesting
 - This was the 2nd FRP submitted on behalf of CES, “Collaborative: Embedded Thermal Energy Harvesting System for Low Power Applications,” and was rejected by the NSF because the IAB letter of support was unspecific
 - SV to work on a more specific letter on behalf of the IAB and work with members on support
 - Goal to resubmit: by January 2014
- Update on Phase II
 - Members to provide CES with letters of support. LC to provide IAB letter contact info and directions for member letters; letter deadline September 3

NEW BUSINESS

- Discussion and vote on Northeastern University
 - Northeastern University, Boston, MA, www.northeastern.edu, is interested in joining CES as a 3rd academic site. Faculty members Fabrizio Lombardi and Yong-Bin Kim, Department of Electrical & Computer Engineering, are leading the application process.
 - Northeastern University intends to pursue these companies for membership: Analog, LTX, Teradyne, Broadcom, AMD, EMC, Qualcomm, Bose, BAE Systems, Boston Scientific, Seagate, Cisco, Oracle.
 - Discussion on background of school, application process for a new academic site, potential members; and clarification about the vote at hand: that the IAB will not have another opportunity to vote to accept or reject Northeastern’s request to join the center.
 - Proposed vote: Is the IAB receptive to Northeastern applying for a planning grant to join the Center for Embedded Systems?
 - Approved: with one abstain vote from Toyota
 - Concern expressed about the following issues: the companies that will join, that competitors will be involved; that the Center may lose focus with the addition of another school and its

members; and about the time commitment required of the IAB to read proposals and be versed on an increased number of research projects.

- Update on CES website security
 - In response to IAB member concerns about the security of the existing website, a new CES website will be launched in this summer, hosted by ASU for increased security.
 - Members will access the secure site with “ASUrite” credentials assigned by ASU and individual access / passwords for each individual at each member company.
 - ASUrite assignments will involve a two-step process: 1) IAB members to provide Lisa Christian with full name and birthdate, 2) Lisa will enter this data in the ASU system that will generate an email directly to each member, with instructions for login and password setup.
- Year 5 project voting
 - Byron explained voting procedures.
 - Votes were cast per the following:

Industry Member	Votes
Intel, AZ	10
Marvell	10
Qualcomm	10
Raytheon	10
Toyota	20
General Dynamics	10
Intel, CA	5
Intel, OR	10
Rockwell Collins	10
UTC Aerospace	15
Total	110

- ASU and SIU to announce funded projects in August.
- De-brief of current meeting
 - All comments complimentary. IAB agreed that the location and format are working well. No specific areas for improvement.
- Vote on January meeting date
 - January 14-15, 2014, Chandler, Ariz., location: Intel Corporation, 5000 W. Chandler Blvd., Chandler, AZ 85226
 - Byron secured Intel conference room (CH7100) for 2-day event

ACTIONS REQUIRED:

- Lisa Christian to update minutes and post on website
- Lisa Christian to update bylaws and CES Operating Processes and post on website
- Georgios Fainekos to send invention disclosure info to Rita

- Sarma Vrudhula to work on a letter on behalf of the IAB supporting FRP “Collaborative: Embedded Thermal Energy Harvesting System for Low Power Applications,” and resubmit by January 2014
- Lisa Christian to provide IAB letter contact info and directions for member letters; letter deadline September 3
- Lisa Christian to send information on new website access to members
- Each IAB member to provide Lisa Christian with full name and birthdate, then sign-up for login / password to access new CES website
- ASU and SIU to announce funded projects in August
- All to mark calendars for next IAB meeting: January 14-15, 2014, Intel Corporation, 5000 W. Chandler Blvd., Chandler, AZ 85226