

Spring 2017 IAB & Research Review - Agenda

Tutorials: Energy Harvesting

Pre-arranged Faculty or Project Meetings
Proposals
Registration
Tutorial - Energy Harvesting
Reception and Mixer

08 March 2017

Sibley Auditorium, Bechtel Engineering Center

<u>Time</u>	<u>Speaker, Event / Topic Information</u>
09:00	Pre-Arranged Faculty or Project Meetings
12:30	Registration
13:25	Proposals Session
13:30	Dr. Mike Cable Welcome/Intro
13:40	Prof. Clark T.-C. Nguyen Fully Integrated CMOS-MEMS Wireless Transceiver
14:00	Prof. Liwei Lin Printed Flexible Sensors, Actuators and Energy Harvesters
14:20	Prof. Kristofer S.J. Pister Autonomous Microrobots
14:40	Prof. Ming C. Wu MEMS-Enabled LIDAR, Sensors, and Switches
15:00	Prof. Dorian Liepmann Hybrid Plastic MEMS Devices
15:20	Prof. Richard M. White Particulate-Matter Monitor with Speciation
15:40	Break - Registration
16:00	Tutorial: Energy Harvesting Prof. Liwei Lin and Prof. Richard M. White
17:30	Reception and Mixer

Research Review: Plenaries and Posters

Student/Postdoc Plenaries and Posters with 45-second poster "elevator" pitches in plenaries.
Closed Sessions- Members and Researchers

09 March 2017

Sibley Auditorium, Bechtel Engineering Center

<u>Time</u>	<u>Speaker, Event / Topic Information</u>
08:00	Registration and Continental Breakfast
09:00	Dr. Mike Cable Chair - Open Session 1
09:10	Plenary 1: Hyun Sung Park Solution-Processed Transparent Conductive Oxides(TCOs) and Oxide Semiconductors
09:25	Plenary 2: Dr. Youmin Wang MEMS-Actuated Grating-based Optical Phased Array for LIDAR
09:40	Morning Research Overview 45 Second Project Summaries by Individual Graduate/Postdoc Researchers Faculty Groups: NGUYEN, PISTER, LEE, MABOUDIAN
10:10	Morning Poster Session Faculty Groups: NGUYEN, PISTER, LEE, MABOUDIAN
11:20	Prof. Roya Maboudian Chair - Open Session 2
11:25	Plenary 3: Joshua Kay Wearable Ultrasound System for Wireless Neural Recording
11:40	Plenary 4: Tatsuo Hariyama Low-Cost VCSEL FMCW LIDAR for High Accuracy Ranging
11:55	Plenary 5: Ameya Rao Ordered Hollow Metal Oxide Nanostructures for Miniaturized Gas Sensors
12:10	Midday Research Overview 45 Second Project Summaries by Individual Graduate/Postdoc Researchers Faculty Groups: LIN, WU, LIEPMANN, BOSER
12:40	Lunch Hearst Memorial Mining Building, Moore Lobby
13:25	Midday Poster Session Faculty Groups: LIN, WU, LIEPMANN, BOSER
14:25	Prof. Kris Pister Chair - Open Session 3
14:30	Plenary 6: Yuri Kusano Bioinspired Spiral-Shaped Acoustic Resonators for MEMS Microphones
14:45	Plenary 7: Filip Maksimovic Radios Don't Need Crystals
15:00	Plenary 8: Jalal Naghsh Nilchi Sub-20nm Gap Capacitive-Transduced Disk Resonator
15:15	Afternoon Research Overview 45 Second Project Summaries by Individual Graduate/Postdoc Researchers Faculty Groups: WHITE, HORSLEY, JAVEY, MAHARBIZ
15:45	Afternoon Poster Session Faculty Groups: WHITE, HORSLEY, JAVEY, MAHARBIZ
16:55	Prof. Michel M. Maharbiz Chair - Open Session 4
17:00	Plenary 9: Daniel Drew First Takeoff of a Flying Microrobot With No Moving Parts
17:15	Plenary 10: Dr. James Bullock Dopant-free Contacts for Si Solar Cells
17:30	Plenary 11: Bochao Lu Cytokine Fast Detection
17:45	End Session, Voting Completion
18:00	Reception and Banquet Hearst Memorial Mining Building, Moore Lobby

Industrial Advisory Board (IAB - Members Only)

Center Reports to Membership, and Membership Review of Center Operations, Process, Research Directions, and Content. All members are welcome; all Member Companies are encouraged (expected) to send at least one participant to this meeting. This meeting is closed to all but current members and faculty.

10 March 2017

290 Hearst Memorial Mining Building (Enter via Moore Lobby)

<u>Time</u>	<u>Speaker, Event / Topic Information</u>
08:30	Continental Breakfast
09:00	Industrial Advisory Board Meeting
12:00	Lunch
13:00	Pre-Arranged Faculty or Project Meetings