

Spring 2018 BSAC Research Review & IAB - Agenda

Faculty Research Overview

BSAC Faculty Research Enablers: In-depth presentations by University of California faculty on promising emerging technologies

07 March 2018

Sibley Auditorium, Bechtel Engineering Center

<u>Time</u>	<u>Speaker, Event / Topic Information</u>
09:00	Pre-Arranged Faculty or Project Meetings
13:00	Registration
14:00	Dr. Mike Cable Welcome. BSAC Research Overview
14:15	Prof. Kristofer S.J. Pister Autonomous Microsystems: Pister Group Research Overview
14:45	Prof. Liwei Lin Research Overview
15:15	Prof. Bernhard E. Boser Research Overview
15:45	Break
16:00	Prof. Ming C. Wu Si Photonics, MEMS, LiDAR
16:30	Prof. Michel M. Maharbiz Research Overview
17:00	Prof. Clark T.-C. Nguyen Research Overview
17:30	Reception & Mixer Garbarini Lounge, Bechtel Engineering Center

Research Review: Plenaries and Posters

Closed Session: BSAC Members and Researchers Only
Student/Postdoc Plenaries and Posters with 45-second "elevator" pitches in plenaries.

08 March 2018

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: Kyoungtae Lee - Maharbiz Lab CMOS based 128X128 Proton Dosimeter Array in 65 nm LP Process for Proton Beam Therapy
09:25	Plenary 2: Leslie Chan - Maboudian Lab Transfer-Free Synthesis of Graphene on Insulating Substrates
09:40	Morning Research Overview 45 Second Project Summaries by Individual Graduate/Postdoc Researchers White, Pister, Maharbiz, Maboudian
10:10	Morning Poster Session White, Pister, Maharbiz, Maboudian
11:20	Prof. Kris Pister Chair - Open Session 2
11:25	Plenary 3: Hani Gomez - Pister Lab Zero Insertion Force MEMS Socket for Microrobotics Assembly
11:40	Plenary 4: Kieran Peleaux - Nguyen Lab UHF Micromechanical Filter Design
11:55	Plenary 5: Benjamin Eovino - Lin Lab Dual-Electrode Bimorph Ring-Shaped PMUTs: Design and Applications
12:10	Midday Research Overview 45 Second Project Summaries by Individual Graduate/Postdoc Researchers Nguyen, Lin, Liepmann, Boser, Cable
12:40	Lunch Hearst Memorial Mining Building, Moore Lobby
13:25	Midday Poster Session Nguyen, Lin, Liepmann, Boser, Cable
14:25	Prof. Bernhard E. Boser Chair - Open Session 3
14:30	Plenary 6: Dr. Burak Eminoglu - Boser Lab Chopped Rate-to-Digital FM Gyroscope
14:45	Plenary 7: Jodi Loo - Wu Lab Light-Actuated Digital Microfluidics using Optoelectrowetting (OEW)
15:00	Plenary 8: Dr. Der-Hsien Lien - Javey Lab Large-Area Processing of Monolayer Semiconductors for Lighting Applications
15:15	Afternoon Research Overview 45 Second Project Summaries by Individual Graduate/Postdoc Researchers Wu, Lee, Javey, Horsley
15:45	Afternoon Poster Session Wu, Lee, Javey, Horsley
16:55	Prof. Dorian Liepmann Chair - Open Session 4
17:00	Plenary 9: Qi Wang - Horsley Lab Surface Micromachining Process for High Fill-Factor PMUT Arrays
17:15	Plenary 10: Dr. Doyeon Bang - Lee Lab Nanofocusing of Asymmetric Nanocrescent Antenna and Applications
17:30	Plenary 11: Huiliang Liu - Lin Lab Late News: Label-free AC Sensing by a Graphene Transistor for 100-ppb Formaldehyde in Air
17:45	End Session, Voting Completion
18:00	Reception & Banquet Hearst Memorial Mining Building, Moore Lobby

Industrial Advisory Board Meeting (IAB)

Closed meeting: Open to BSAC members and faculty only.

Center report and member review of center operations, process, research directions, and content. Member companies should send at least one participant to this meeting.

09 March 2018

290 Hearst Memorial Mining Building

<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