

Fall 2017 BSAC Research Review & IAB - Agenda

Review of MEMS & Sensor Packaging Trends

Dr. Philippe Jansen's packaging workshop.

20 September 2017

Banatao Auditorium, Sutardja Dai Hall - 3rd Floor

<u>Time</u>	<u>Speaker, Event / Topic Information</u>
09:00	Pre-Arranged Faculty or Project Meetings
13:15	Registration
14:00	Dr. Mike Cable Welcome and Opening Comments
14:15	Dr. Philippe Jansen Review of MEMS & Sensor Packaging Trends
16:00	Break

Member & Researcher Challenge

Join us in the historic Senior Hall where teams of BSAC Researchers and Industrial Members will compete in a fun and creative engineering challenge.

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Senior Hall

<u>Time</u>	<u>Speaker, Event / Topic Information</u>
16:30	Member & Researcher Challenge

Reception

Casual outdoor reception for all attendees.

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Women's Faculty Club

<u>Time</u>	<u>Speaker, Event / Topic Information</u>
18:00	Reception

Research Review: Plenaries and Posters

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

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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: Daniel Contreras A Platform for MEMS Hexapods
09:25	Plenary 2: Kevin Han Antenna-coupled 2D Material NanoLED for High Speed Optical Communication
09:40	Morning Research Overview 45 Second Project Summaries by Individual Graduate/Postdoc Researchers WU, WHITE, PISTER, NGUYEN, CABLE
10:10	Morning Poster Session WU, WHITE, PISTER, NGUYEN, CABLE
11:20	Prof. Ming C. Wu Chair - Open Session 2
11:25	Plenary 3: Travis Massey Fabrication and Microassembly of a High-Density Carbon Fiber Neural Recording Array
11:40	Plenary 4: Hossein Najafiaghdam An Ultra-Thin Molecular Imaging Skin for Intraoperative Cancer Detection Using Time-Resolved CMOS Sensors
11:55	Plenary 5: Hossain Fahad Chemical Sensitive Field Effect Transistor (CS-FET)
12:10	Midday Research Overview 45 Second Project Summaries by Individual Graduate/Postdoc Researchers MAHARBIZ, LEE, JAVEY, BOSER
12:40	Lunch Hearst Memorial Mining Building, Moore Lobby
13:25	Midday Poster Session MAHARBIZ, LEE, JAVEY, BOSER
14:25	Prof. Clark T.-C. Nguyen Chair - Open Session 3
14:30	Plenary 6: Parsa Taheri-Tehrani Subharmonic Synchronization in MEMS Oscillators
14:45	Plenary 7: Qi Wang Optimized PMUT Array Design
15:00	Plenary 8: Alper Ozgurluk Q-Boosting of Metal MEMS Resonators Via Localized Anneal-Induced Tensile Stress
15:15	Afternoon Research Overview 45 Second Project Summaries by Individual Graduate/Postdoc Researchers MABOUDIAN, LIN, LIEPMANN, HORSLEY
15:45	Afternoon Poster Session MABOUDIAN, LIN, LIEPMANN, HORSLEY
16:55	Prof. Roya Maboudian Chair - Open Session 4
17:00	Plenary 9: Steven DelaCruz Silicon Carbide Passivated Electrode for Thermionic Energy Conversion
17:15	Plenary 10: Emmeline Kao Nanostructured Black Titania Arrays for Photoelectrochemical Applications
17:30	Plenary 11: Brian Kilberg MEMS Control Surfaces for Pico Air Vehicles
17:45	End Session, Voting Completion
17:46	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.

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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