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## **BSAC Best Paper and Poster Awards for Fall 2011**

More than 170 BSAC researchers presented their work in poster or plenary sessions at the Fall 2011 BSAC Research Review September 21-23.

More than 70 attending industrial members from 32 member organizations voted for the best presentations and posters, resulting in Best Paper and Best Poster awards (certificate and cash).

Links to public abstracts and secured project reports on the BSAC website are provided below.

### **BSAC Best Paper Awards Fall 2011:**



Frank Myers
Advisor: Prof. Luke P. Lee
An Integrated Microsystem for
Electrophysiology-Activated Cell
Sorting (EPACS) [BPN512]



Tristan Rocheleau
Advisor Prof. Clark T.-C. Nguyen
Capacitive-Gap Micromechanical Local
Oscillator At GHz Frequencies
[BPN630]

#### **BSAC Best Poster Awards Fall 2011**



Ernest Ting-Ta Yen
Advisor Albert P. Pisano
HEaTS: AIN Narrowband RF Filters
[BPN369]



Karen E. Grutter
Advisor Prof. Ming C. Wu
Optomechanical Oscillators and SilicaBased Bandwidth Tunable Filters
[BPN498]

## **BSAC Best Paper and Poster Awards for Spring 2011**

More than 150 BSAC researchers presented their work in poster or plenary sessions at the Spring 2011 BSAC Research Review March 9-11.

Nearly 60 attending industrial members from 32 member organizations voted for the best presentations and posters, resulting in Best Paper and Best Poster awards (certificate and cash).

Links to *public abstracts* and *secured project reports* on the BSAC website are provided below.

#### **BSAC Best Paper Awards Spring 2011:**



Adrienne Higa
Advisors: Prof. Liwei Lin, Song Li
Mechanical Regulation of Collective
Cell Behavior via Microtopographic
Substrates [BPN403]



Mehmet Akgul
Advisor Clark T.-C. Nguyen
Micromechanical RF Channelizer
[BPN434]

**BSAC Best Poster Awards Spring 2011** 

Li-Wen Hung
Advisor Prof. Clark T.-C. Nguyen
Micromechanical Transmit Filter
[BPN358]

Lingqi Wu
Advisor Prof. Clark T.-C. Nguyen
Temperature Stable Micromechanical
Resonators and Filters [BPN540]

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# **BSAC Best Paper and Poster Awards for Fall 2010**

More than 160 BSAC researchers presented their work in poster or plenary sessions at the Fall 2010 BSAC Research Review September 15-17 2010.

Nearly 70 attending industrial members from 33 member organizations voted for the best presentations and posters, resulting in Best Paper and Best Poster awards (certificate and cash) given at the awards banquet in the Hotel Shattuck Plaza, UC Berkeley, September 16, 2010.

Links to public abstracts and secured project reports on the BSAC website are provided below.

#### **BSAC Best Paper Awards Fall 2010:**



Mitchell Kline
Advisors: Prof. Bernhard E. Boser,
Prof. Seth Sanders
Power Transfer Over a Capacitive
Interface [BPN555]



Shao Ning Pei
Advisor Prof. Ming C. Wu
Light-Actuated Digital Microfluidics
[BPN552]

#### **BSAC Best Poster Awards Fall 2010**



Yang Lin, Tommi Riekkinen
Advisor Prof. Clark T.-C. Nguyen
A Micromechanical Power Converter
[BPN433]



Li-Wen Hung Advisor Prof. Clark T.-C. Nguyen Micromechanical Transmit Filter [BPN358]

## **BSAC Best Paper and Poster Awards for Spring 2010**

More than 150 BSAC researchers presented their work in poster or plenary sessions at the Spring 2010 BSAC Research Review March 10-12.

Nearly 65 attending industrial members from 37 member organizations voted for the best presentations and posters, resulting in Best Paper and Best Poster awards (certificate and cash) given at the awards banquet in the Faculty Club, UC Berkeley, March 11, 2010.

 $\label{links} \mbox{Links to $\it public abstracts$ and $\it secured project reports$ on the BSAC website are provided below.}$ 

### **BSAC Best Paper Awards Spring 2010:**



Yingqi Jiang Advisor Prof. Liwei Lin CNT-Based MEMS Supercapacitors [BPN362]



Ernest (Ting-Ta) Yen
Advisor Prof. Albert P. Pisano
Aluminum Nitride RF Components for
Wireless Harsh Environment
Telemetry [BPN369]

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#### **BSAC Best Poster Awards Spring 2010**



Joanne Lo Advisor Prof. Horsley Large, Ordered 3D Nanocup Arrays for Plasmonic Applications [BPN551]



Thomas Watteyne
Advisor Prof. Pister
OpenWSN: Open-Source StandardsBased Protocol Stacks for Wireless
Sensor Networks [BPN477]

# **BSAC Best Paper and Poster Awards for Fall 2009**

More than 150 BSAC researchers presented their work in poster or plenary sessions at the Fall 2009 BSAC research review September 16-18.

Nearly 60 attending industrial members from 39 member organizations voted for the best presentations and posters, resulting in Best Paper and Best Poster awards (certificate and cash) given at the awards banquet in the Faculty Club, UC Berkeley, September 17, 2009.

Links to public abstracts and secured project reports on the BSAC website are provided below.

#### **BSAC Best Paper Awards Fall 2009:**



Zhiyong Fan (advisor Prof. Ali Javey) "Nanopillar-based Solar Cell"[BPN501]



Li-Wen Hung (advisor Prof. Clark T.-C. Nguyen) "Silicide-Induced Air Gaps for MEMS Structures" [BPN358]



Dr. Igor Paprotny (advisor Prof. Richard M. White) "SMobile Airborne Particulate Matter Monitor for Cellular Deployment" [BPN392]

#### **BSAC Best Poster Awards Fall 2009**



Jim C. Cheng (advisor Prof. Albert P. Pisano)
"MEMS Poly/Nano: Biomimetic,
Polymeric Transistor-based Biosensor Technology" [BPN320]



Yingqi Jiang (advisor Prof. Liwei Lin) "MEMS Supercapacitor" [BPN362]

The BSAC Industrial Members, Researchers, Faculty and Directors, and the National Science Foundation I/UCRC Association thank and congratulate these winning researchers for their outstanding work.

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