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PLENARY COACH


**RESEARCH
REVIEW**
Fall 2019



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

BSAC Best Paper and Poster Awards for Spring 2019

102 BSAC researchers presented their work in poster or plenary sessions at the Fall 2019 BSAC Research Review on September 18-19.

30+ attending industrial members from 23 member organizations voted for the best presentations and posters, resulting in Best Paper and Best Poster awards (certificate and cash).

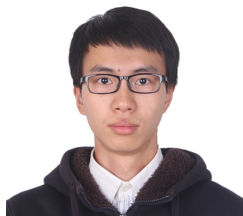
Links to *public abstracts* and *secured project reports* on the BSAC website are provided below.

**Best Paper****Jean-Etienne Tremblay**

Advisor: Prof. Ming C. Wu
[Optical and Electrical Packaging of Large Scale, Parallel Photonic Circuits](#) [BPN912]

**Best Presenter****Brian Kilberg**

Advisor: Prof. Kristofer S.J. Pister
[Accurate Localization of Single-Chip uMote](#) [BPN916]

**Best Poster****Zhichun Shao, Yue Liang, Sedat Pala**

Advisor Prof. Liwei Lin
[Highly Responsive PMUTs](#) [BPN743]

**BSAC Best Poster****Guo-Lun Luo**

Advisor: Prof. David Horsley
[Piezoelectric Micromachined Ultrasonic Transducers with Corrugated Diaphragms Using Surface Micromachining](#) [BPN851]

BSAC Best Paper and Poster Awards for Spring 2019

107 BSAC researchers presented their work in poster or plenary sessions at the Spring 2019 BSAC Research Review on March 6-8.

40+ attending industrial members from 28 member organizations voted for the best presentations and posters, resulting in Best Paper and Best Poster awards (certificate and cash).

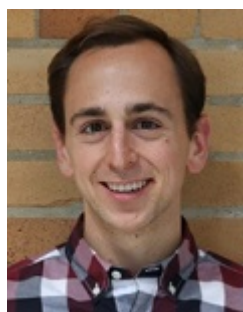
Links to *public abstracts* and *secured project reports* on the BSAC website are provided below.

**BSAC Best Paper****Dr. Ali Darvishian**

Advisor: Prof. Bernhard E. Boser
[Extremely High-Performance Miniaturized Gyroscopes to Navigate Without GPS](#) [BPN910]

**Best Presenter****Takeshi Hayasaka**

Advisor Prof. Liwei Lin
[Multi-Dimensional Gas Sensing Patterns of Graphene FETs](#) [BPN772]

**Best Poster****David Gardner, Xiang Gao**

Advisor Profs. R. Maboudian, A. Javey, C. Carraro
[Metal-Organic Frameworks: A Highly Tunable Class of Materials for Chemical Sensing with High Selectivity](#) [BPN876]

BSAC Best Poster**Craig Schindler**

Advisor: Prof. Kris Pister
[Jumping Silicon Microrobots](#) [BPN902]