BSAC welcomes inquiries from technology focused companies interested in participating in our research consortium and from top students seeking advanced degrees in our specialties.

For more information, contact Clark Nguyen at: execdirector@bsac.eecs.berkeley.edu
Member Benefits

Participation in the Center provides Industrial Members with access to wide-ranging research from the best and brightest researchers, in a university with worldwide recognition. Members see center research at an early stage for a timely view of new developments before publication. Extensive formal research reviews are conducted on campus twice per year, every spring and fall, specifically for Industrial Members. Through the Industrial Advisory Board, members influence the directions taken in the research and policies of the consortium.

Members can obtain exclusive or non-exclusive rights to inventions made in the center. Member organizations are invited to special research events and may send researchers to campus as Industrial Fellows. Industrial funding for the Center has been granted full DoD IR&D status.

Relationships formed among Industrial Members, faculty, and researchers tend to persist throughout developers’ and researchers’ careers, creating lasting organizational value to members and graduates. Contact with graduate students in training can lead to hiring for summer and long-term positions. Many BSAC PhD graduates take positions with BSAC Industrial Member organizations. No single Industrial Member is likely to establish the high risk, high reward, multi-project environment available through the research consortium. BSAC research has spawned new businesses or divisions for its members and new start-ups from among its researchers.

Regular Membership $70,000/year
Collaboration Membership* $155,000/year
* Including Agreed Member-Faculty-Researcher Project

To join, contact Prof. Clark T.-C. Nguyen execdirector@bsac.eecs.berkeley.edu +1.510.643.5663 for a BSAC Participation Agreement

Goals

Create a leadership research environment through the collective appeal of top-rank university researchers, an environment of collaboration, and access to a diverse group of Industrial Members who are usually current or future market leaders in their segments.

Educate the next generation of microsystems technology leaders in industry and academia.

Ensure commercial relevance and reduce the time to commercialization of BSAC research through intensive collaboration with Industrial Members.

People & Projects

100+ Graduate & Postdoc Researchers
12 Faculty Directors
14 Co-Advising Faculty Affiliates
18 Industrial Organizations
50+ Projects

Research Areas

- Integrated Photonics
- Microfluidics & BioMEMS
- Nanowire & Conformal Electronics
- Wireless & RF Systems
- Harsh Environment Sensing
- µEnergy Monitoring & Harvesting
- Flexible Supercapacitor
- Active Fabrics E-Skin
- Integrated Photonics
- Channel Select Filter
- Microfluidic-based microfluidics
- Local oscillator
- Channel selection
-phase noise
- mixing suppression
- DC 300A Pass current limiting block
- Current limiting monolithic IC

Berkeley Sensor & Actuator Center
University of California, Berkeley
University of California, Davis
bsac.berkeley.edu

A membership-based Industry/University Cooperative Research Center for MEMS and NEMS