



The Berkeley Sensor & Actuator Center  
presents

## The BSAC Researcher Seminar Series

featuring

BSAC Co-Founder  
Prof. Richard S. Muller

# The Birth of BSAC and the March of MEMS

**JUNE 13  
2017**

**12:15 | 540 Cory Hall**

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Richard S. Muller is a professor emeritus in the Department of Electrical Engineering at the University of California, Berkeley and Co-Founding Director of the Berkeley Sensor & Actuator Center. He joined the faculty at the University of California, Berkeley in 1962 where his research focus was on the physics of integrated circuit devices. Together with Dr. T.I. Kamins of Hewlett-Packard Company, Prof. Muller published *Device Electronics for Integrated Circuits* in 1977. In the late 1970s he began research in the area now known as MEMS.

In 1986, inspired by success creating the first microelectromechanical systems using the processes and materials developed in the progress of integrated circuits, Prof. Muller and Prof. Richard White founded the Berkeley Sensor & Actuator Center (BSAC) with the mission to conceive, design, and build integrated microsystems that could process more than electrical variables. The first of its kind, BSAC brought together academics (focused on the developing integrated circuit technology) and foresighted industrial leaders (eager to bring the process to new commercial applications) with the shared understanding that many integrated microsystems could only be realized if the IC processes were configured to produce MEMS devices. In a larger context, these motivations led to the development of MEMS research at laboratories now located around the world.

**THE BSAC RESEARCHER SEMINAR SERIES IS OPEN TO BSAC MEMBERS, FACULTY, AND RESEARCHERS ONLY.**