The BSAC Visiting Industrial Fellow Program

Program Summary
In order to further the technology transfer goals of BSAC, a Visiting Industrial Fellow (VIF) program has been established. Under this program, Industrial Members of BSAC may, with sponsorship of one of the ten faculty Directors, co-locate a professional technical employee on campus, in facilities consistent with the research goals of the VIF. During their annually renewable appointment, the VIF will conduct research and participate in BSAC, College of Engineering, and campus activities. The VIF, with support of the Sponsoring Faculty Director (SFD), may participate in a new research project or may join appropriate existing research teams or projects of the SFD. The VIF may alternatively participate in a separately sponsored research project of the Industrial Member. Such separately sponsored Industrial Member research projects may pre-exist or may be defined and funded after a period of, and as a result of, VIF on-campus assignment.

The Industrial Member will provide funding of $55,000 annually for the VIF appointment during which time the VIF must remain a paid employee of the Industrial Member of BSAC. The VIF appointment fee will be distributed between the Sponsoring Faculty Director and the Engineering Department in whose facilities the VIF office space and administrative support is provided (UC Berkeley: Electrical Engineering & Computer Science/Cory Hall; BioEngineering/Evans Hall; Mechanical Engineering/Etcheverry Hall; and at UC Davis, ECE/Engineering II).

Benefits
○ Access on a regular basis to Sponsoring Faculty Director who shall act as campus sponsor and VIF research advisor.
○ Desk/shared office space for a professional resident Visiting Industrial Fellow.
○ Administrative support, telephone, and computer network access including remote dial-in access which shall continue for one year following the VIF appointment, provided sponsoring Industrial Member remains in BSAC.
○ For non-US VIF’s, assistance with necessary Exchange Visitor (J-1 visa) applications.
○ Participation by VIF as a regular member of a research team or group, as arranged by Sponsoring Faculty Director.
○ Participation as a regular member of a research team on a directed research project sponsored under separate contract by the Industrial Member company.
○ Access, at industrial recharge rates, to the Berkeley Microlab facilities for research and development. Membership in the Berkeley Microlab Affiliates program (at a 50% discount from normal annual subscription fee) will be required to train, qualify, and support the VIF for Microlab access.
○ Participation by the VIF in Departmental seminars and colloquia.
○ Participation, by arrangement, in internal BSAC research meetings of any regular BSAC research team including those of other BSAC or affiliated faculty Directors.
○ Auditing of any departmental course of sponsoring department (subject to space and Instructor’s permission).
○ Annual research review meeting with the Sponsoring Faculty Director on campus or at the facilities of the Industrial Member (with reimbursement of travel expenses).

Procedure
○ Candidate VIF secures permissions from their Industrial Member sponsor to discuss prospective research goals with BSAC faculty Directors to identify a potential Sponsoring Faculty Director and an outline of on-campus research goals.
○ Industrial Member company completes the BSAC VIF application with signature of Sponsoring Faculty Director.
○ Appointment confirmation letter from BSAC, payment of annual appointment fee, and execution of pre-arrival documents by VIF and Industrial Member.

Contact: John Huggins, Executive Director +1-510-643-5663; jhuggins@eecs.berkeley.edu
Visiting Industrial Fellow Program
BSAC Sponsoring Faculty Directors’ Appointments & Profiles

Bernhard E. Boser
Specialty: Mixed Signal IC design for MEMS Interfaces; Sensors; Actuators; Signal Conditioning; A/D
Appointment: Professor of EECS
Office: 519 Cory Hall
Phone USA-510-643-8350   email: boser@eecs.berkeley.edu

Roger T. Howe  Associate Department Chair of EECS, UC Berkeley
Specialty: Wireless MEMS; MEMS Devices, Structures, Processes; MEMS Electronics; Inertial MEMS
Appointments: Professor of EECS; Joint Appointment to Mechanical Engineering
Office: 231 Cory Hall
Phone USA-510-643-7263   email: howe@eecs.berkeley.edu

Luke P. Lee
Specialty: BioMEMS, Microfluidics, Polymer MEMS; Microphotronics
Appointment: Assistant Professor of BioEngineering
Office: 485 Evans Hall
Phone USA-510-642-5855   email: lplee@socrates.berkeley.edu

Dorian Liepmann
Specialty: BioMEMS; Microfluidics
Appointments: Associate Professor of Bioengineering; Joint Appointment to Mechanical Engineering
Office: 483 Evans Hall
Phone USA-510-642-9360   email: liepmann@me.berkeley.edu

Liwei W. Lin
Specialty: MEMS Packaging and Assembly; BioMEMS; Microfluidics; Nanotubes/Nanowires
Appointment: Associate Professor of Mechanical Engineering
Office: 5126 Etcheverry Hall
Phone USA-643-5495   email: lwlin@me.berkeley.edu

Richard S. Muller
Specialty: MEMS Devices and Processes; Electronic Sensors and Actuators; Device Physics; Microphotronics
Appointment: Professor of the Graduate School, EECS
Office: 401 Cory Hall
Phone USA-510-642-0614   email: muller@eecs.berkeley.edu

Albert P. Pisano  Director of Electronics Research Lab
Specialty: Mechanical and Parametric Design of MEMS; Mechanical Systems; BioMEMS; Inertial MEMS; Wireless MEMS
Appointment: Fanuc Professor of Mechanical Systems; Joint Appointment to EECS; Director, Electronics Research Laboratory
Offices: 253 Cory Hall; 5101-B Etcheverry Hall
Phone USA-510-742-7200   email: appisano@me.berkeley.edu

Kristofer S.J. Pister
Specialty: Wireless MEMS; SmartDust; MicroRobotics; MEMS Devices and Processes; Electronics for MEMS
Appointment: Associate Professor of EECS (Industrial Leave through Dec 2004)
Office: 512 Cory Hall
Phone USA-643-9268   email: pister@eecs.berkeley.edu

Richard M. White
Specialty: MEMS Devices and Electronics; Ultrasonics; Piezo Materials and Structures
Appointment: Professor of EECS
Office: 491 Cory Hall
Phone USA-510-642-0540   email: rwhite@eecs.berkeley.edu

Norman C. Tien  Department Chair of Electrical and Computer Engineering, UC Davis
Specialty: MEMS Devices and Processes; Optical MEMS; Wireless MEMS
Appointments: Professor of Electrical and Computer Engineering, UC Davis; Joint Appointment to EECS, UC Berkeley
Office: 3131 Engineering II, UC Davis
Phone USA-530-754-9267   email: nctien@ucdavis.edu