Postdoctoral Scholar – MEMS Research & Development
University of California, Irvine, USA

Salary/appointment: Commensurate with experience
Posting Date: October 27th, 2015          Closing Date: November 27, 2015

The MicroSystems Lab ("Shkel group") at the University of California, Irvine is seeking Research Specialists for advanced resonant and inertial MEMS. The successful candidate will contribute to high profile federal government research programs developing revolutionary micro-sensors and systems based on innovative device architectures, materials, fabrication, and controls using state-of-the-art facilities in an intellectually ambitious and stimulating entrepreneurial environment with ability to publish work.

Specific responsibilities will include:

- **Thrust 1 - MEMS:** conceptual and physical layout design of MEMS, modeling, development of fabrication and vacuum packaging processes using a cleanroom.
- **Thrust 2 - Electronics:** design, layout, modeling of discreet analog and digital PCBs for capacitive MEMS resonators and sensors, DSP/FPGA programming.

Additional responsibilities will include design and implementation of computer controlled characterization experiments, data analysis, collaboration with other researchers, preparing publications and delivering presentations for top journals and conferences, reporting to the funding agencies, and periodic assistance to graduate students.

The successful candidate is expected to have a degree in electrical or mechanical engineering (Ph.D. preferred but not required) and demonstrated experience in one of the thrust areas outlined above. The candidate should have excellent communication and time management skills, ability to learn quickly and enthusiastically, and experience in: MEMS design, cleanroom operations, PCB design, and experimental characterization. Experience in resonators, inertial MEMS, and inertial technology is a strong plus.

The job is located in the beautiful Irvine just 7 miles from Pacific Ocean beaches and comes with all standard UC health benefits. Position is dependent on extramural funding and research contracts of the Principal Investigator. The position will remain open until closed. An immediate start date is available within 2 weeks of the hiring decision. The applicants are encouraged to visit http://mae.eng.uci.edu/.

Apply by submitting your application to our online RECRUIT system at: https://recruit.ap.uci.edu/apply/JPF03175. Renewal of the appointment will be offered to well performing candidates contingent upon the availability of adequate funding. Applicants should email a resume and names and contact information of 3 references to the PI's contact below. Please indicate "specialist appointment - MEMS R&D" in the email subject. The applicants are encouraged to visit http://mems.eng.uci.edu/.

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