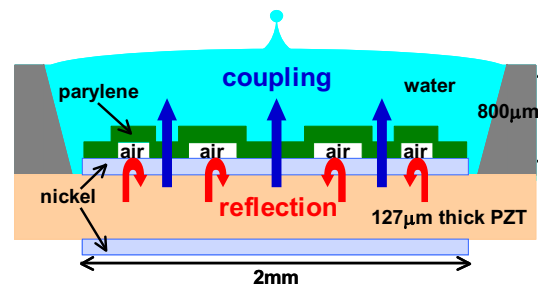
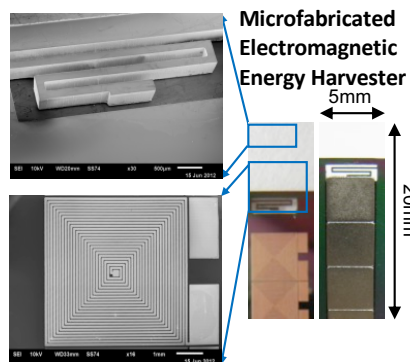


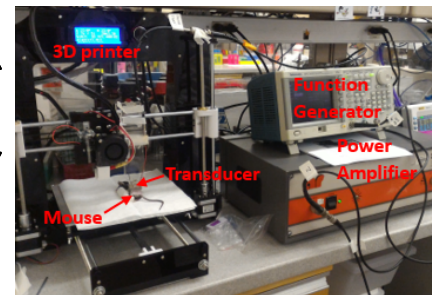
- Professor, Electrical and Computer Engineering
- Ph.D. in EE from UC Berkeley (1990), B.S. & M.S. in EECS from UC Berkeley (1982, 1987)
- IEEE Transactions on Automation Science and Engineering (TASE) Best New Application Paper Award (2007)
- IOP Fellow (1996), IEEE Fellow (2011)
- ≈230 refereed papers and 12 issued US patents

Research interests:

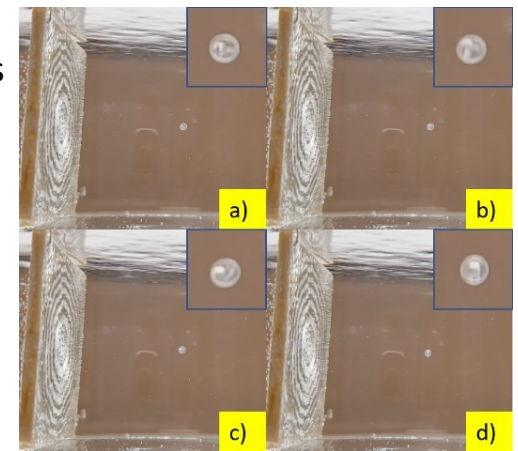
- Acoustic MEMS: acoustic tweezers, underwater and air propellers, droplet ejector, micromixer, active noise cancellation for hearing aids, wearable stethoscope
- Biomedical Applications of Focused Ultrasound: neural stimulation, cancer therapeutics
- Wireless and/or Battery-less Sensing Systems: vibrational energy harvesters



Self-focusing Acoustic Transducer (SFAT) with Air Cavity Lens



Tumor Treatment on Mice with SFAT on a modified 3D printer stage for scanning



Rotational Manipulation of Zebrafish Embryo (24 - 36 hours-post-fertilization) with Acoustic Tweezers