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[Kim Stockton](#) 

Faculty Profile


Amit Lal

Department: ECE

Title: Associate Professor

Personal Web Site:

<http://sonicmems.ece.cornell.edu/>

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Degrees earned:

B.S.E.E. Caltech 1990

Ph.D. University of California-Berkeley 1996

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Biography:

Prof. Lal served as assistant professor in the Department of Electrical Engineering at the University of Wisconsin-Madison from 1998 to 2002. He joined the faculty at Cornell University during July of 2002. Prof. Lal is a member of the Cornell Nanobiotechnology Center and the Cornell Biomedical Engineering Department. He is also a member of the American Association for the Advancement of Science (AAAS), the Institute of Electrical and Electronics Engineers (IEEE), and the Acoustical Society of America (ASA).

Prof. Lal is currently on leave from Cornell University as Program Manager for the Defense Advanced Research Projects Agency (DARPA).

Research interests:

Professor Lal's interests are in developing concepts, technologies, and models for integrated microsystems using MEMS fabrication techniques, the linear and nonlinear effects of ultrasound, and radioactive thin films. His expertise is in MEMS (including microfluidic, microsurgical, and radioactively-powered systems), physical acoustics, ultrasonic engineering, analog and digital circuit design, and solid-state electronics. He leads the SonicMEMS group which is currently developing surgical tools, ultrasonic microfluidic systems, and integrated power sources.

