

February 14, 2004

Berkeley's Majumdar to Deliver Mohammed Dahleh Distinguished Lecture

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Santa Barbara, Calif. --Arun Majumdar, Almy and Agnes Maynard Chair Professor in Mechanical Engineering at the University of California, Berkeley, will give this year's Mohammed Dahleh Distinguished Lecture, "Transport and Mechanics in Hard and Soft Nanomaterials," on Feb. 20 at 3:30 p.m. in the Engineering II Pavilion on the campus of the University of California at Santa Barbara (UCSB). The event is open to the public and is preceded by a 3:00 p.m. reception.

The lectureship was created to honor the memory, innovative spirit and contributions of the late UCSB Professor Mohammed Dahleh to the scientific community in general and UCSB in particular.

Professor Majumdar received his BTech from the Indian Institute of Technology, Bombay in 1985, and his M.S. and Ph.D. from the University of California at Berkeley in 1987 and 1989 respectively all in Mechanical Engineering. He taught at Arizona State University (1989-92) and UC Santa Barbara (1992-96) before joining UC Berkeley.

Prof. Majumdar has received many honors including the NSF Young Investigator Award (1992); the Melville Medal of the ASME (1992); the ASME Heat Transfer Division Best Paper Award (1993); and the ASME Gustus Larson Memorial Award (2001). He is a Fellow of both the American Society of Mechanical Engineers, and the American Association for the Advancement of Science (AAAS).

Prof. Majumdar is well known for his pioneering work in Nanoscale Diagnostics (Scanning Probe Microscopy), Energy Conversion and Transport in Nanostructures, Optomechanical Microdevices, and Nano-Biomolecular Engineering. Of particular note is his recent work using micron-scale beams and microcantilevers to develop a specific test to detect Prostate Specific Antigen (PSA), an extremely useful marker for early detection of prostate cancer.

Mohammed Dahleh was a professor of mechanical and environmental engineering and the research director of the UCSB Center for Control Engineering and Computation (CCEC). Under his leadership the CCEC became a focal point for technological innovation. Dahleh was an internationally recognized authority in the field of dynamical systems and control theory. His groundbreaking research contributions reflected his wide-ranging interdisciplinary interests, spanning several areas of science, engineering, and applied mathematics.

Today, the many research directions pioneered by Dahleh continue to be followed by a growing number of researchers and to form the starting point for new discoveries and technological advancements. Dahleh died in July of 2000 at the age of 39.

The Mohammed Dahleh Distinguished Lecturers are chosen based on their pioneering work, extraordinary

accomplishments, and promise for exceptional contributions.

The lectureship and the accompanying award have been funded by Dahleh's friends and relatives, with the strong support of UCSB's Dean of Engineering Matthew Tirrell, the Richard A. Auhl Professor.

Images



Related Links

<http://www.me.berkeley.edu/faculty/majumdar/>

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