Dr. Krishna Shenai, professor of electrical engineering and computer science at The University of Toledo, has been elected a Fellow of the American Physical Society (APS).

Shenai, who has been at UT since 2007, is among the foremost international authorities in the field of power semiconductor materials, devices and circuits.

The APS Fellowship Program was created to recognize members who may have made advances in physics through original research and publication, or made significant innovative contributions in the application of physics to science and technology. They may also have made significant contributions to the teaching of physics or service and participation in the activities of the Society. Each year, no more than one half of one percent of the Society membership is recognized by their peers for election to the status of Fellow in the American Physical Society (APS).

According to the APS citation, Shenai was elected a Fellow for "pioneering contributions to the physics, technology and application of semiconductor metallization."

To be elected a Fellow of APS, one must be first nominated and endorsed. Shenai's name and Fellowship citation, as well as others elected to Fellowship in 2010 were published in the March 2011 issue of APS News. This information also appears on the Fellowship Page of the APS Home Page [http://www.aps.org]. Shenai received his APS Fellow Award at the Spring 2011 APS Meeting held in Dallas, Texas on March 22, 2011.

Shenai has authored or co-authored more than 350 peer-reviewed papers and 10 book chapters, and has edited five books. He is a named inventor in 13 issued US patents and more than 40 foreign patents. Shenai is also a Fellow of The Institute of Electrical and Electronics Engineers (IEEE), a Fellow of The American Association for the Advancement of Science (AAAS), a Fellow of The Institution of Electrical and Telecommunication Engineers (IETE) of India, and a member of The Serbian Academy of Engineering, Belgrade, Serbia. Shenai is the recipient of several major professional research and teaching awards - including the Best Paper Award presented at the 1998 IEEE Bipolar Circuits and Technologies Meeting (BCTM), inaugural William Brown Award in 1999 given by the Space Studies Institute at Princeton University, Princeton, NJ, The University Scholar Award given by The University of Illinois, and IEEE Electron Devices Society (EDS) Distinguished Lecturer Award. In 2006 and 2007, Shenai held The First Utah Science, Technology, and Research (USTAR) Endowed Professorship at the Utah State University in Logan, UT.

Shenai is a seasoned entrepreneur; he has founded and successfully managed two venture-financed start-up companies based on technologies that he conceived and developed from academic research. For more than 10 years, Shenai held senior research positions at COMSAT Labs, GE R&D Center and Intel Corporation where he conceived and developed products that are netting multi billions of dollars annual sales revenues.

Shenai has directed dissertations of 5 PhD students and theses of more than two dozen graduate students. In 2002, he received the Dean's Faculty Research Excellence Award at The University of Illinois at Chicago; in 2010, he received The Best Researcher of the Year Award in the EECS department at The University of Toledo. For 10 years (1990-2001), Shenai served as the editor of the prestigious IEEE Transactions on Electron Devices; he also founded and

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