

## Dennis awarded IEEE John von Neumann Medal

Massachusetts Institute of Technology

Jack Dennis, a principal investigator at the MIT Computer Science and Artificial Intelligence Lab (CSAIL), has been named the recipient of the 2013 IEEE John von Neumann Medal. Dennis was honored “for fundamental abstractions to implement protection in operating systems and for the dataflow programming paradigm.”

Dennis, a professor emeritus in the Department of Electrical Engineering and Computer Science, was the original leader of the Computation Structures Group at CSAIL. He led the development of dataflow models of computation and novel principles of computer architecture inspired by dataflow models. Currently, Dennis is engaged in research on functional programming principles and related principles of computer architecture, and is applying these concepts in the design of a novel advanced multiprocessor chip for general-purpose computing.

Dennis received the 1984 Eckert-Mauchly Award for contributions to the field of computer architecture, and is a fellow of the IEEE and of the ACM.

The IEEE John von Neumann Medal, established in 1990 in honor of mathematician John von Neumann, is presented annually for outstanding achievements in computer-related science and technology. Dennis will be presented with the award at the 2013 IEEE Honors Ceremony.

For more information about Dennis' work visit <http://www.csail.mit.edu/user/1552> [1].

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[1] <http://www.csail.mit.edu/user/1552>