

Martha E. Pollack is Professor and Associate Chair for Computer Science and Engineering in the Department of Electrical Engineering and Computer Science at the University of Michigan. She was previously a professor of Computer Science at the University of Pittsburgh, and before that, was on the research staff at the Artificial Intelligence Center at SRI International. She received her bachelor's degree *summa cum laude* (1979) from Dartmouth College, and her M.S.E. (1984) and Ph.D. (1986) from the University of Pennsylvania.

The author or co-author of more than 100 technical publications, Pollack is an elected Fellow of the American Association for Artificial Intelligence and is the recipient of a number of professional awards, including the Computers and Thought Award, a National Science Foundation Young Investigator's Award and the University of Pittsburgh Chancellor's Distinguished Research Award. She has served on many program committees and editorial boards, and recently completed a term as Editor-in-Chief of the *Journal of Artificial Intelligence Research*. Her area of expertise is Artificial Intelligence (AI), and she has conducted research on automated planning and plan execution, temporal reasoning, computational models of rationality, and natural-language processing, with funding from the National Science Foundation, DARPA, the Air Force Office of Scientific Research, and the Intel Corporation.

Since the late 90's, Prof. Pollack has been focusing on the use of AI techniques in the design of assistive technology for people with cognitive impairment. She was a founding member of the Nursebot group, a multi-university collaborative effort that investigated the use of mobile robotics in assisting older adults with memory decline. Pollack and her graduate students designed and developed Autominder, a pioneering system for presenting adaptive, flexible reminders about daily activities. In the spring of 2004, Prof. Pollack testified before the United State Senate Special Committee on Aging on the opportunities and challenges for the design of assistive technology for cognition. For more information on this work, visit <http://www.eecs.umich.edu/~pollackm> and click on "Assistive Technology for Cognition."

Reference [1] below provides an overview of the field of assistive technology for cognition; [2] gives more details of the Autominder system; and [3] is Prof. Pollack's Senate committee testimony. All are available on the web page listed above.

[1] M. E. Pollack, "Intelligent Technology for an Aging Population: The Use of AI to Assist Elders with Cognitive Impairment," *AI Magazine*, 26(2):9-24, 2005.

[2] M. E. Pollack, L. Brown, D. Colbry, C. E. McCarthy, C. Orosz, B. Peintner, S. Ramakrishnan, and I. Tsamardinos, "Autominder: An Intelligent Cognitive Orthotic System for People with Memory Impairment," *Robotics and Autonomous Systems*, 44(3-4):273-282, 2003.

[3] M. E. Pollack, "Opportunities and Challenges in Assistive Technology for Elders," Testimony presented to the U.S. Senate Committee on Aging, Apr. 27, 2004.