

**Professor Yoram Koren received the 2008 Stephen S. Attwood
Excellence in Engineering Award.**

The Stephen Attwood award is the highest honor of the College of Engineering at the University of Michigan. The award recognizes “extraordinary achievement in teaching, research, service, and other activities that have brought distinction to the College and University.” It includes a monetary award of \$10,000. Professor Koren received the Attwood award on March 29, 2008.

Professor Yoram Koren is internationally recognized for innovative contributions to robotics, flexible automation and reconfigurable manufacturing systems. He is credited with conceiving of the reconfigurable manufacturing paradigm and as a pioneer in establishing flexible automation, particularly computer numeric control and adaptive control of machine tools, as a research field and educational discipline. He is a member of the National Academy of Engineering, and his innovations have helped establish the College as a premier institution for advanced manufacturing research.

Professor Koren is the founding director, in 1996, of the Engineering Research Center (ERC) for Reconfigurable Manufacturing Systems (RMS), sponsored by the National Science Foundation. During 11 years of NSF sponsorship, the Center —comprised of 25 professors, 15 investigators, 10 staff, 40 graduate students and 25 companies— received \$48 million in funding. Tools developed there, using Professor Koren's designs and principles, have already made their way to factory floors. The Center has held three Reconfigurable Manufacturing Conferences with participants from 40 countries and conducts outreach, including school demonstrations with a portable manufacturing lab, building museum exhibitions and spearheading programs to increase participation of underrepresented minorities in the field.

Professor Koren holds 14 U.S. patents. His seminal paper, published in 1999, today has over 400 citations. His 260 scientific publications are also widely cited. He is the author of three award-winning books that have been translated into French, Japanese and Chinese. His latest draft textbook, *The Global Manufacturing Revolution*, was written for Global Manufacturing (ME 587, MFG 587), a popular course he developed and teaches. He also served on the College's Executive Committee from 1997 to 2001, among other service commitments.

Professor Koren has won numerous prestigious manufacturing awards, including the Merchant Medal, the Society of Manufacturing Engineering Gold Medal, the William T. Ennor Manufacturing Technology Award, and the Hanasufa Outstanding Investigator Award. He received the UM College of Engineering Excellence in Research Award in 1991.