

TIMOTHY M. MANGANELLO RECEIVES 2005 ALUMNI SOCIETY MERIT AWARD

Timothy M. Manganello, who earned both his bachelor's and master's degrees in ME in 1972 and '75 respectively, has won the 2005 Alumni Society Merit Award from the department for outstanding professional achievement. Manganello has been the chairman and chief executive officer of BorgWarner Inc. since 2003. The company, founded in 1928, designs and produces advanced powertrain components and systems.

Manganello has held a variety of positions with BorgWarner since he joined the company in 1989, including president and general manager of BorgWarner TorqTransfer Systems and vice president of operations for BorgWarner TorqTransfer Systems' Muncie, Indiana facility. Prior to joining the company, Manganello held product engineering management positions at Chrysler Corporation and sales management positions at PT Components-LinkBelt.

It was his education at U-M, said Manganello, that prepared him for the breadth of positions he has held. "When it comes to my education as a mechanical engineer, the analytical thought process, the approaches and tools I learned while at the College of Engineering have remained priceless. It is difficult to stay at the top of your field as a practicing engineer--science, discovery and innovation move too fast. Over time I evolved from a practicing engineer into other career areas such as sales, manufacturing and senior management. But it was my engineering foundation, created at U-M, that gave me the skills to be equally or more successful in these other occupational areas."

In addition to chairing the board of directors of BorgWarner, Manganello is a member of the board of directors of Bemis Company, Inc. He also serves on the executive committee of the Manufacturers Alliance/MAPI and is a member of the Society of Automotive Engineers and of the Governor's Board of the World Economic Forum. He serves on the University of Michigan College of Engineering National Advisory Committee.

Winning the Alumni Society Merit Award from the Department "creates a great sense of pride for me," he said. "My wife and I are both U-M graduates, and for me to be recognized with this award is totally unexpected and one of the top highlights of my career."



Timothy M. Manganello

ALUMNI AWARD NOTES

Jianmin Gu (Ph.D. 2000), was a member of a Ford Motor Company team that received the 2004 SAE Henry Ford II Distinguished Award for Excellence in Automotive Engineering. For his exceptional contributions, he was promoted by Ford in June 2005 to the position of Technical Expert for Vehicle Shift Quality CAE. He was previously recognized by Ford as the Engineer of the Month, CAE and Durability Engineering, (March 2005) and received the Vehicle Evaluation and Verification Achievement Award in 2004.

Mahmoud I. Hussein (Ph.D. 2004), received the top prize in the 17th annual Robert J. Melosh Medal competition for the Best Student Paper on Finite Element Analysis at a ceremony at Rensselaer in April 2005. The competition is sponsored by Department of Civil and Environmental Engineering at Duke University, the Scientific Computation Research Center at Rensselaer Polytechnic Institute and Elsevier.

John R. (Chip) Keough (B.S.E. ME and B.S.E. MM '77), has earned an Alumni Society Merit Award from the department of Materials Science and Engineering, University of Michigan, for his exceptional professional accomplishments. Keough is the chief executive officer and owner of Applied Process, Inc., a heat treating facility specializing in the Austempering process.

Wei Li (Ph.D. ME '99), assistant professor of Mechanical Engineering at the University of Washington, Seattle, has been awarded a prestigious 2004 Presidential Early Career Award for Scientists and Engineers. The award was presented at a ceremony at the Department of the Treasury in Washington, D.C.

Jeremy Michalek (M.S. ME '01; Ph.D. ME '05), co-authored a paper, "Manufacturing Investment and Allocation in Product Line Design Decision-Making," (with Oben Ceryan, Yoram Koren and Panos Papalambros) that was selected to receive the ASME 2005 Design Automation Best Paper Award. The work is based on Michalek's Ph.D. work at the ERC-RMS.