2007 Outstanding Student of the Year

Christopher C. Schroeder receives the US DOT award from Paul R. Brubaker (second from left), Administrator of RITA. With them are Ron Diridon (left), 2008 President of the CUTC and Former Secretary of Transportation Norman Y. Mineta.

Chris explains the hydraulic hybrid pump/motor test stand to Dr. Mark Schumack, UDM, Sujay Bodke, UDM, and Roland Kibler, NextEnergy.

Christopher Schroeder, receiving the MIOH UTC Outstanding Student of the Year Award from Dr. Leo E. Hanifin (left). Dr. Mohammad Elahinia, UT (right), led the research on which Chris worked .

The Michigan Ohio University Transportation Center (MIOH UTC) Outstanding Student of the Year Award is presented each year to one student who has made a significant contribution to a MIOH UTC funded project, performed well academically, demonstrated professionalism and leadership as well as participated in university and community service activities.

Evidence of "significant contribution" is based upon faculty nomination and evaluation of submitted written reports. Academic performance is based upon courses attempted and grades attained. Professionalism, leadership and service is evidenced in the form of presentations at professional society meetings and symposia, and leadership in student professional activities including K-12 outreach.

Christopher C. Schroeder

Christopher C. Schroeder is a second year graduate student at The University of Toledo working toward his master's degree in Mechanical Engineering. He received his bachelor's degree in Mechanical Engineering from The University of Toledo in 2006. While earning his undergraduate degree, Christopher had the opportunity to work for Tenneco, Inc., an automotive supplier. At Tenneco, Christopher gained valuable engineering experience on diverse challenging projects. Additionally, as an undergraduate Christopher helped develop a test rig designed to study the slinger combustor dynamics of a small gas turbine engine.

Christopher's research interests at The University of Toledo include: experimental characterization and control of noise and vibration, alternative energy systems, smart materials and the analysis and simulation of mechanical systems. Presently, he is working with Dr. Mohammad Elahinia and Dr. Walter Olson on the development of a test rig as a multipurpose educational module to teach hydraulic hybrid vehicle technologies. Additionally, Christopher is working on the development of a magnetorheological engine mount as a means of isolation for the hydraulic hybrid system. He has also developed a simulation model of the hydraulic hybrid system and has co-authored four publications about his work including one journal publication.

Christopher is the President of the Engineering Graduate Student Association at The University of Toledo. He has a zest for knowledge and strives for continuous improvement. The Michigan Ohio University Transportation Center selected Christopher C. Schroeder as its 2007 Outstanding Student of the Year.

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