

Dr. Fred Higgs
John and Ann Doerr Professor of Mechanical Engineering
Rice University

Dr. Higgs received a B.S. in Mechanical Engineering (1995) and an M.S. in Mechanical Engineering (1997) and Ph.D. in Mechanical Engineering (2001) from Rensselaer Polytechnic Institute in Troy, N.Y. From 2001-2003, he was a Postdoctoral Research Fellow at Georgia Institute of Technology . Dr. Higgs was a faculty member in Mechanical Engineering at Carnegie Mellon University from 2003-2016. He joined the faculty at Rice in 2016. Dr. Higgs is also the Faculty Director of the Rice Center for Engineering Leadership.

Dr. Higgs has received a National Science Foundation CAREER Young Investigator Award in 2007 and in 2013 he received the Benjamin Teare Award, the Carnegie Mellon College of Engineering top teaching award. He is a member of the American Society of Mechanical Engineers and became a Fellow in 2016. In 2010 he was presented with the Burt L. Newkirk Award for his notable contributions to the field of tribology. He is also a member of the Society of Tribology and Lubrication Engineers, the National Society of Black Engineers, the Materials Research Society, and the Institute of Electrical and Electronics Engineers.