



Mechanical Engineering
Academy of Distinguished Alumni

Alok Warey, Ph.D.

Outstanding Young Mechanical Engineer, 2017

BEME, National Institute of Technology, India, 2000

MSME, The University of Texas at Austin, 2003

Ph.D., ME, The University of Texas at Austin, 2005

Staff Researcher

General Motors Global Research and Development

Dr. Alok Warey is a staff researcher at General Motors Global Research and Development. His research is focused on energy efficiency, automotive propulsion systems, internal combustion engines, emissions and fuels. He is also the program manager for collaborative research projects with national laboratories and various university partners. Prior to GM, he was a visiting researcher at the University of Michigan and a senior engineer at both FEV Inc. and Cummins Technical Center.

Alok represents General Motors in the Advanced Combustion and Emissions Control (ACEC) technical team of U.S. DRIVE, a U.S. Department of Energy and industry partnership. The ACEC Technical Team supports the U.S. DRIVE Partnership goal to significantly improve the efficiency of vehicles powered by advanced internal combustion powertrains (including hybrids) and vehicle fuel systems, while protecting the environment

Alok has authored or co-authored over thirty peer-reviewed papers in archival journals and at international conferences. His research paper on CO₂ benefits of two-stroke diesel engines was highlighted in the February 2017 issue of the SAE International Automotive Engineering magazine. He holds two U.S. patents and has several patent applications under review. One of his inventions

was classified as a General Motors Tool/Method/Secret. He serves as a co-organizer for the technical session on High Efficiency Internal Combustion Engine Concepts at the SAE International World Congress and as a reviewer for several journals and conferences.

He has supported the ME Engine Research Group through the donation of a General Motors state-of-the-art diesel engine, associated test data, engine manuals, and with continued advice on its setup and operation.

Alok was awarded the SAE International Forest R. McFarland Award for outstanding contributions toward the work of the SAE Engineering Meetings Board in the planning, development and dissemination of technical information through technical meetings and conferences. Other awards include the SAE International Engineering Meetings Board Outstanding Oral Presentation Award for excellence in oral presentation of a research paper at an international conference and the TeamGM Recognition Award for outstanding contribution to General Motors.

Alok and his wife, Nafisa, are avid travelers. They travel often to new destinations all over the world.