

## Gregory W. Davis

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**Gregory W. Davis.** Dr. Davis received his Ph.D. in Mechanical Engineering from The University of Michigan in 1991. He currently holds the rank of Professor and teaches in the area of energy systems and automotive system design. Prior to his work at Kettering, he served on the faculties of the U.S. Naval Academy and Lawrence Technological University. Dr. Davis worked as an engineer for both the automotive and electric utility industries.

Currently, he serves as the Director of the Advanced Engine Research Laboratory, where he conducts research in alternative fuels and engines. He is the faculty advisor for the Student Chapter of the Society of Automotive Engineers (SAE) and the AeroDesign & Clean Snowmobile Challenge Projects. Dr. Davis is a registered Professional Engineer in the State of Michigan. He is active on the professional level of SAE, serving as a Director on the SAE Board of Directors (term, 2007-2010), a past Director of the Publications Board, and Past-Chair of the Engineering Education Board. He also serves on several Scientific Advisory Boards in Sustainable Development, he is also a reviewer for the U.S. Department of Energy (DOE) Vehicle Technologies Office (VTO), and reviews for Journals including Journal of Sustainable Development of Energy, Water and Environment Systems.

His main research interests are linked to the:

- Sustainable mobility
- Renewable Energy with special emphasis in alternative fuels & lubricants in engines.
- Hybrid Electric Vehicles
- Powertrain selection for fuel economy and emissions.

He has contributed to two research books, and more than seventy research papers some of which were presented at national and international conferences, and others were published in relevant journals. He also has served as an editor for World Book Encyclopedia for various topics in automotive engineering. He has also been involved with several research projects financed by different institutions and organizations. Finally, he also holds seven patents related to energy conservation.