

SAE International Honors Professor Rolf Reitz of the University of Wisconsin-Madison with the John Johnson Award for Outstanding Research in Diesel Engines

SAE International announces that Rolf D. Reitz, PhD, Professor in the Engine Research Center at the University of Wisconsin-Madison, is the recipient of the John Johnson Award for Outstanding Research in Diesel Engines.

WARRENDALE, Pa. ([PRWEB](#)) June 09, 2016 -- [SAE International](#) announces that Rolf D. Reitz, PhD, Professor in the Engine Research Center at the University of Wisconsin-Madison, is the recipient of the John Johnson Award for Outstanding Research in Diesel Engines.

Established in 2008, the award recognizes authors of an SAE International outstanding technical paper that addresses research advancements in diesel engines and individuals who have demonstrated outstanding leadership in research and development in the field of diesel engines through a singular accomplishment or lifetime achievement.

Dr. Reitz received the award at the SAE 2016 World Congress in Detroit. His research concentrates on internal combustion engines. He has developed practical methods for reducing pollutant emissions and improving fuel economy. Another major focus of his research is the development and application of computer models for the design of fuel-injected engines, and his spray and combustion models are widely used in the automotive industry. His heavy-duty diesel engine laboratory was the first to demonstrate that the use of multiple injections can give significant emissions reductions. Multiple injections are now implemented by all major diesel engine manufacturers.

His recent work on diesel/gasoline dual-fuel reactivity controlled compression ignition (RCCI) has demonstrated dramatic improvements in fuel economy while meeting stringent emissions mandates, reducing the need for NOx and particulate (soot) after-treatment. His spray research has revealed new understandings about atomization mechanisms.

Dr. Reitz has authored and co-authored more than 520 journal publications and he has 5 patents. He has lectured widely and has won major research awards, including the ASME Soichiro Honda medal. He is co-founding editor (Americas) of the International Journal of Engine Research, and serves as an industry consultant. He has served on the executive board of the Institute of Liquid Atomization and Spraying Systems - Americas, and is former director of the UW-Madison Mechanical Engineering Department's Engine Research Center. Before joining the university in 1989, Reitz spent six years at the General Motors Research Laboratories, three years as a research staff member at Princeton University, and two years as a research scientist at the Courant Institute of Mathematical Sciences, New York University. He received the PhD degree from Princeton University in 1978.

This prestigious John Johnson Award for Outstanding Research in Diesel Engines award honors Dr. John H. Johnson, a Presidential Professor with the Department of Mechanical Engineering Mechanics at Michigan Technological University. Dr. Johnson is an expert in the field of diesel engines and his experience spans a wide range of analysis and experimental work related to advanced engine concepts, emissions studies, fuel systems and engine simulation. Dr. Johnson is a fellow of SAE International and the American Society of



Mechanical Engineers.

SAE International is a global association committed to being the ultimate knowledge source for the engineering profession. By uniting over 127,000 engineers and technical experts, we drive knowledge and expertise across a broad spectrum of industries. We act on two priorities: encouraging a lifetime of learning for mobility engineering professionals and setting the standards for industry engineering. We strive for a better world through the work of our charitable arm, the SAE Foundation, which helps fund programs like A World in Motion® and the Collegiate Design Series™.

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