Reviewed by: Magnus Sjöberg, Dennis Siebers

Magnus Sjöberg receives SAE Oral Presentation Award

CRF researcher Magnus Sjöberg has received an Excellence in Oral Presentation Award from SAE International, formerly the Society of Automotive Engineers. This award, which was established to recognize outstanding speakers at SAE technical sessions, places Magnus in the top 5% of SAE oral presenters for 2013.

Based on evaluations submitted by members in the audience, the award honors Magnus's recent presentation, "Characterization of spray-guided DISI engine combustion with near-TDC injection of E85 using high-speed imaging, spectroscopy, flame measurements, and modeling," at the 2013 Powertrain, Fuels, and Lubricants Meeting. This technical meeting, which was cosponsored by SAE and the Korean Society of Automotive Engineers (KSAE), took place on October 21–23, 2013, in Seoul, South Korea.

SAE established the Excellence in Oral Presentation Award in 1972 to encourage high-quality presentations at SAE technical sessions. All SAE speakers who make "oral-only" presentations or oral presentations of written technical papers at technical meetings sponsored solely or jointly by SAE are eligible for award consideration. Members of the audience are asked to serve as evaluators. Their evaluations assess the actual presentations, rather than any papers prepared in conjunction with the presentations.

Magnus's presentation was extremely well-attended, and he fielded many questions about his research, which was conducted in collaboration with his CRF colleague Wei Zeng, David Reuss from the University of Michigan (U-M), Runhua Zhao and Fokion Egolfopoulos from the University of Southern California (USC), and Marco Mehl and William Pitz from Lawrence Livermore National Laboratory (LLNL).

Magnus is a technical staff member at the CRF. He graduated from the Royal Institute of Technology in Stockholm, Sweden, with a Ph.D. in internal combustion engines and a master's degree in machine design. In 2005, Magnus received an SAE Russell S. Springer Award for his paper, "Effects of engine speed, fueling rate, and combustion phasing on the thermal stratification required to limit homogenous charge compression ignition (HCCI) knocking intensity." This paper was judged to be an original and outstanding technical paper, providing a distinct contribution to the field of mobility engineering.

Magnus has been granted two patents, has authored or coauthored numerous peer-reviewed publications, and collaborates with many fellow researchers close to home (Sandia, LLNL, and Stanford University), around the country (USC, U-M, University of Wisconsin–Madison, and Drexel University), and around the globe (National University of Ireland, Galway, and the University of New South Wales in Australia).

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