CONVERGE-ing in Madison: An Introduction to Convergent Science

Abstract: Convergent Science is an innovative, rapidly expanding computational fluid dynamics (CFD) company. Our flagship product, CONVERGE, is a revolutionary CFD software that eliminates the grid generation bottleneck from the simulation process. Founded in 1997 by graduate students at the University of Wisconsin-Madison, Convergent Science was a CFD consulting company in its early years. In 2008, the first CONVERGE licenses were sold and the company transitioned to a CFD software company. Convergent Science remains headquartered in Madison, Wisconsin, with additional offices in the United States, Europe, and India and distributors around the globe. This seminar will outline the history of Convergent Science and also explain what makes CONVERGE unique from other CFD solvers.

Biography: Dr. Kelly Senecal is a co-founder and owner of Convergent Science. He is one of the original developers of CONVERGE, the industry-leading CFD software for internal combustion engine simulations. Senecal is a Fellow of the Society of Automotive Engineers, an incoming member of the ASME ICED Executive Committee, and the 2019 recipient of the ASME Internal Combustion Engine Award. In addition to his role at Convergent Science, Senecal is an adjunct professor at the University of Wisconsin-Madison and the director and co-founder of the Computational Chemistry Consortium (C3). Senecal has authored nearly 100 research papers, which have garnered over 3,000 citations.

Tuesday, 9/17/2018
12:00 PM, ERB 106