CFD Webinar to Demonstrate Automating Blade Design Optimization

FORT WORTH, TX (21 March 2011)—Drs. Chris Sideroff and Durrell Rittenberg will present an hour-long webinar at 9 a.m. PDT on 14 April, demonstrating how to automate the process of optimizing blade design with best in class computational fluid dynamics (CFD) tools.

The webinar will feature how to save time by automatically creating meshes using scripting, how to create grid topologies suitable for automation, how to create a framework for optimization space visualization, and how to easily set up the optimization process and speed your post-processing and reporting. Travis Carrigan will assist with answering questions.

To register for the free webinar, go to http://www.pointwise.com/webinar/.

Dr. Rittenberg is director of customer development at Tecplot, Inc. A former graduate and undergraduate teacher, Dr. Rittenberg has been keynote speaker at national and international conferences and has written 14 publications in scientific literature on a variety of disciplines. He received a Monbusho fellowship from the government of Japan to research advanced materials at Osaka University. He joined Tecplot in 2001. His Ph.D. is in inorganic chemistry from the University of Utah.

Dr. Sideroff joined Pointwise in September 2007 after working as a petroleum engineer for the NATCO Group, a CAD engineer for ARV Development, and a computer technician for Harddata Ltd. Dr. Sideroff earned a B.S. and M.S. in mechanical engineering from the University of Alberta and a Ph.D. in mechanical engineering from Syracuse University in 2009, where his dissertation subject was “Detailed Examinations of the Human Micro-Environment by CFD.” He is a technical sales engineer at Pointwise.

Mr. Carrigan, an intern at Pointwise since May 2008, works alongside Dr. Sideroff. He will complete his M.S. in aerospace engineering at the University of Texas at Arlington in May 2011, where his thesis subject is “Aerodynamic Shape Optimization of a Vertical Axis Wind Turbine.” He received his B.S. in aerospace engineering in 2009 from UTA.

Pointwise, Inc. is solving the top problem facing engineering analysts today – mesh generation for computational fluid dynamics (CFD). The company’s Gridgen and Pointwise software generates structured, unstructured and hybrid meshes; interfaces with CFD solvers, such as ANSYS FLUENT, STAR-CCM+, ANSYS CFX and OpenFOAM as well as many neutral formats, such as CGNS; runs on Windows (Intel and AMD), Linux (Intel and AMD), Mac and Unix, and has scripting languages that can automate CFD meshing. Large manufacturing firms and research organizations worldwide rely on Pointwise as their complete CFD preprocessing solution.


Founded in 1981 and based in Bellevue, WA, Tecplot, Inc. empowers engineers and scientists to discover, analyze, and understand information in complex data, and to effectively communicate the results to others. The company launched Tecplot, its first software product for the scientific visualization market, in 1988. Since then, Tecplot has been applying and influencing the latest advances in visualization technologies and plotting capabilities. For more information about Tecplot, go to www.tecplot.com.

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