T-Rex in the Real World Chosen as Short Course for Pointwise User Group Meeting

FORT WORTH, TX (26 September 2011)—T-Rex in the Real World: Troubleshooting Difficult Grids will be the topic of the training short course on 8 November during the Pointwise User Group Meeting in Fort Worth, TX. The topic was chosen by Pointwise users during a poll.

T-Rex, or anisotropic tetrahedral extrusion, is Pointwise’s viscous unstructured meshing technique. Dr. Chris Sideroff and Travis Carrigan will discuss how to use this tool for dealing with complex mesh generation problems.

The course will cover meshing of narrow gaps, high curvature regions, transitioning from viscous to non-viscous boundaries and growing layers from quadrilateral surface meshes. Each of these will include how to determine the source of the problem, will give an overview of the appropriate strategy to resolve it and show specific examples that demonstrate the solution.

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 both a B.S. and M.S. in mechanical engineering from the University of Alberta in 2000 and 2003. He earned 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".

Travis Carrigan joined Pointwise as a technical sales engineer after completing his M.S. in aerospace engineering at the University of Texas at Arlington in May 2011. He interned at Pointwise beginning May 2008, producing demonstration and application videos and working in technical support, doing grid projects and quality assurance testing. During a prior internship at Vought Aircraft Industries, Mr. Carrigan worked as a quality engineer on the Boeing 787 Dreamliner Program. His thesis subject was “Aerodynamic Shape Optimization of a Vertical Axis Wind Turbine.” He received his B.S. in aerospace engineering in 2009 from UTA.

For more information about the user group meeting, see www.pointwise.com/ugm. Early registration discounts end 30 September.

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.

More information about Gridgen and Pointwise is available at www.pointwise.com. Pointwise and Gridgen are registered trademarks and Pointwise Glyph, Gridgen Glyph and T-Rex are trademarks of Pointwise, Inc. All other trademarks are property of their respective owner.

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