THIRD WAVE SYSTEMS

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FOR IMMEDIATE RELEASE

Third Wave Systems CTO receives Tech Titan Inventor award

MINNEAPOLIS, MN. (25 September 2014) – The Minneapolis St. Paul Business Journal hosted the first Titans of Technology event in Minneapolis yesterday, which celebrates the top technology professionals in the Twin Cities metro area.

Third Wave Systems Chief Technical Officer, Troy Marusich, Ph.D., P.E., was honored as a recipient of a Tech Titan award in the Inventor category for the complex software simulations he developed during his doctoral studies at Brown University.

The simulations would later become the foundation of the company he would start with his brother, Kerry Marusich, CEO of Third Wave Systems.

The simulations Troy developed were packaged into Third Wave System's flagship product, AdvantEdge, and became the first commercially-available machining simulation software to combine finite element analysis with a custom material model. Third Wave Systems engineers use the physics of those materials (titanium, aluminum, steel, etc.) to determine how the cutting tool will react to the material.

Troy's physics-based approach has revolutionized the way companies examine machining behavior. Studying this point of contact between the tool and the material allows companies to understand their machining process before it happens, which improves design and gets products to market faster.

Dr. Marusich is the Chief Technical Officer at Third Wave Systems, specializing in applying computational techniques to manufacturing and research and development for improved product and process performance. Troy is known internationally for his work in the simulation of metalworking processes for improved design, process performance and part quality.

He is also responsible for the development of many proprietary technologies that Third Wave Systems now holds.

Before joining Third Wave Systems in 1995, Troy was a Design Engineer at John Deere. He has a Bachelor of Science in Mechanical Engineering from the University of Minnesota, and a Masters of Science and Ph.D. degree in Engineering from Brown University in the department of Solids and Structures. Troy has also authored numerous papers on machining and machining simulation.

Nearly 100 percent of Third Wave Systems' business is exported even though all development in done in the Twin Cities, making Minnesota a focal point for innovative manufacturing technology.

Nationally, Third Wave Systems supports the Department of Defense as well as industry leaders Boeing, Kennametal and General Motors. Internationally, however, Third Wave Systems does nearly a third of its business. Since 2010, Third Wave Systems has increased its international revenue by more than 28 percent. Third Wave Systems has product users throughout the world, allowing not only Third Wave Systems, but its customers to advance their business in the global marketplace.

As head of Third Wave Systems' development team, Troy encourages and helps his team of engineers to continue to develop cutting edge methods to keep the global manufacturing industry more efficient and competitive.

For more information about the Titans of Technology event, and to see photos, click HERE.

ABOUT THIRD WAVE SYSTEMS, INC. > Third Wave Systems (www.thirdwavesys.com) is the premier provider of validated material physics-based modeling solutions and services. The physics-based machining simulation software products and services is used to optimize machining processes, giving engineers access to more information than trial-and-error tests and allowing them to make better decisions. Third Wave Systems' modeling products and services are used by progressive companies to dramatically reduce costs of machined components, accelerate design cycles, improve part quality and get to market faster. Third Wave Systems is headquartered in Minneapolis, Minnesota USA and has distributors throughout Europe and Asia.

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