



Press Release

NEi Software Presentation on Nastran Finite Element Analysis at SolidWorks World 2009 Conference

WESTMINSTER, CA. January 27, 2009 – [NEi Software](#) (NEi), a global leader in the development of [Finite Element Analysis](#) (FEA) software will make a presentation entitled, “[Nastran](#) for SolidWorks Users” at the SolidWorks® World 2009 trade show in Orlando, FL. The talk will explain how [NEi Works](#)™ addresses a segment of the SolidWorks community that requires Nastran for FEA solutions. NEi will illustrate features of the software using a case study approach featuring simulations performed on an unmanned aerial vehicle (UAV) being developed by Propulsive Wing LLC. The high-payload craft offers a number of innovations with its composite structure and use of cross-flow fans instead of a propeller. The main benefits cited for NEi Nastran solver usage in the application focus on high accuracy, advanced analysis capabilities, tools for composite materials, and easy file sharing between designer and analyst. NEi Works is embedded in SolidWorks and has [Gold Product status](#), a designation awarded by SolidWorks Corporation for products that pass its tests for quality and compatible integration.

NEi Works is important to product developers in a wide range of industries because it relies on NEi Nastran solvers and it incorporates a number of advanced simulation technologies. The following are examples of these tools with a summary of their function and potential uses. Automated Impact Analysis (AIA™) can be used in assessing the results of impact in applications that range from military armor to shipping containers. Automated Edge Connection Generation (AECG™) is a major productivity tool for shell type structures like, cars, ships, and aircraft. Automated Surface Contact Generation (ASCG™) provides an easier method for generating more realistic solutions to structural loading in assemblies. Design Optimization finds solutions to engineering problems that have complex trade offs, such as optimizing the strength-to-weight ratio in an aerospace component.

The [SolidWorks World 2009](#) Show takes place February 8 – 11, 2009 at Walt Disney World, Orlando, FL. NEi Software will be at Booth #412.

About NEi Software (NEi)

NEi is a global leader in developing virtual test software providing solutions to structural stress, deformation, fatigue, kinematics, vibration modes, heat transfer, fluid flow, and other engineering analyses. The core product NEi Nastran works with NEi’s line of pre and post processors -- Femap® by Siemens PLM, NEiWorks™ and NEi Fusion™, as well as all major industry brands. Companies gain a competitive edge with a faster, less costly product development process that delivers more innovative, reliable, and higher quality products. NEi’s website features customer applications, video demonstrations, White Papers, webinars, tutorials, and training information. Website: www.NEiNastran.com | Telephone: 714.899.1220 | Email: info@neisoftware.com

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