REVOLUTION™ in Simulation

News & Updates

September | 2023

Cutting Edge Simulation

Rev-Sim is the industry's vendor-agnostic information source for cutting-edge engineering simulation. This free online community, provides access to information and reference materials to help plan, implement, and maximize your next-generation simulation usage and investment.

Learn more at **rev-sim.org**

Editor's Spotlight

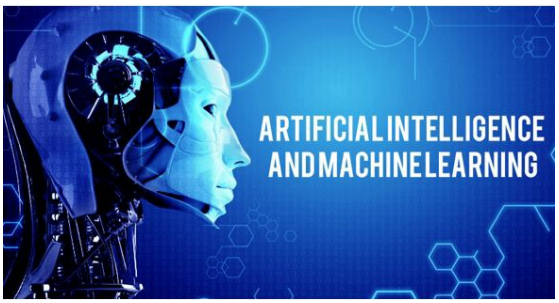
Case Study
Speeding Up CAE for Agriculture – India's Escorts Kubota Gives Engineers Easy Access to HPC Technology

Featured Blog
Pin Fin Heat Sink Applications: Enhancing Thermal Management for Optimal Performance

On-Demand Webinar
Fast and Easy Simulation Automation Accelerates Innovation at PAX Scientific for US Navy and Others

Paper
Characterization & Development of Universal Ventricular Assist Device - CFD Analysis of Advanced Design

Did you Know?
Rev-Sim has a **jobs board**. Check it out early and often to look for your next career opportunity!



Roundtable Discussion: "AI in Cutting-Edge Simulation"

September 27, 2023

This premiere roundtable discussion from Rev-Sim, Digital Engineering 24/7, and CIMdata, explores, with our panel of experts, specific areas where AI and ML are expected to usher in radical changes.

learn more here

The Expanding Role of AI in Simulation

Artificial Intelligence (AI) and Machine Learning (ML) are taking on increasingly important roles in simulation. In this video, Digital Engineering 24/7 Senior Editor, Kenneth Wong and CIMdata's Sandeepak Natu discuss the impact of Artificial Intelligence on the simulation industry.

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watch it here

Neural Concept Director of Operations Thomas von Tschammer and Łukasz Miroslaw, Senior HPC/AI Specialist, Microsoft join CIMdata's Sandeepak Natu to share their thoughts on AI in simulation.

watch it here

Altair Vice President Engineering Data Science, Fatma Koçer-Poyraz shares her perspective on AI in simulation with Revolution in Simulation Co-Founder, Malcolm Panthaki.

watch it here

Bypassing Traditional Post-Processing with Rapid Results Review

VCollab's Rapid Results Review offers the ability to quickly extract and visualize analysis results from a broad range of multi-physics solvers, skipping the time-consuming manual post-processing process as we know it today and helping companies make faster and more informed design decisions.

Because of the vast process efficiency it brings, Rapid Results Review is being adapted by automotive OEMs to cut development time.

VCOLLAB
RAPID RESULTS REVIEW™

learn more

Our Newest Partners!

WOLF STAR TECHNOLOGIES

Wolf Star Technologies understands the challenges of Product Development. We know the structural and dynamic issues that plague every Product Development project. We have unique, first-to-market solutions that meet the fundamental needs of engineers / analysts working with FEA tools.

Our software packages, True-Load, True-QSE and True-LDE, bring understanding to dynamic loading of structures and extract decision ready data from FEA models.

website

SDC VERIFIER

SDC Verifier provides powerful simulation and standard verification software and engineering consultancy services.

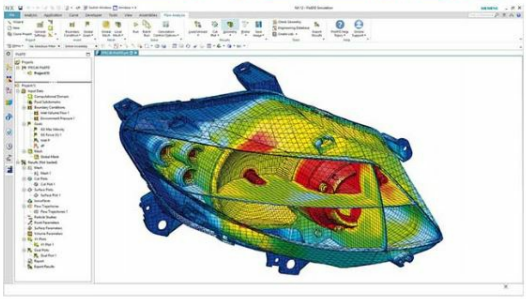
Our software automates the verification of the FEA model against predefined industry standards, design codes, rules and regulations, or engineer-defined criteria. With years of engineering experience, we create software that eliminates routine and automates the detection of structural members performs optimization according to standards, and generates reports.

website

Partner Spotlight: Siemens

Siemens Simcenter™ is a flexible, open and scalable portfolio of simulation and test applications that support customers at every step in their digital journey. The portfolio uniquely integrates the full breadth of engineering solutions including system simulation, 3D CAE and CFD, and physical testing, with design exploration and analytics, workflow automation and simulation process and data management.

SIEMENS



Simcenter is an integral part of Xcelerator™, a broad integrated portfolio of MCAD, PLM, and EDA solutions and services from Siemens Digital Industries Software.

website

Events Spotlight

What's Possible with 3DEXPERIENCE Simulation Solutions?

September 20, 2023

Structural Simulation solutions can have vastly different levels of performance and capabilities (and price tags) while claiming nearly identical functionalities.

Join our Simulation Expert as they discuss 3DEXPERIENCE and SOLI DWORKS Simulation Solutions to help you understand:

• What a typical Simulation workflow looks like for the user.
• How the various licenses compare in terms of capabilities and performance.
• How a structural analysis problem can be addressed and promoted to more powerful tools without losing connection to the underlying models.

information

How to Enable Complex Simulations: The Power of Multiphysics & Digital Thread

November 14-15, 2023

This conference brings together researchers, developers, teachers, and users of multiphysics simulation methods to present new results, exchange ideas and discuss potential challenges.

It is an excellent opportunity to connect with other practitioners in the field of multiphysics and coupled simulations. It is jointly organized by NAFEMS Multiphysics Working Group, The International Society of Multiphysics, and the Fraunhofer Institute for Algorithms and Scientific Computing SCAI.

Participation is open to NAFEMS members and non-members. NAFEMS members can participate free of charge as part of their membership using seminar credits.

information

More Events!

find them here

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