REVOLUTION in Simulation

News & Updates

April | 2025

Cutting Edge Simulation

Rev-Sim is the industry's vendor-agnostic information source for cutting-edge engineering simulation. On this free online community, you'll have 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**

AI/ML in Simulation Learning Program:

Curriculum for Beginners, Advanced Resources for Experts

Whether you're exploring AI in simulation, are in the early implementation stages, or wish to more fully leverage its advanced capabilities, you'll find our AI in Simulation Learning Program useful.

Curriculum is curated by experts, offering best practices, expert guidance, and a community discussion forum to ask questions and share insights.

find it here

Leading Off...

Engineers Have Spoken: Here are the top workplaces for engineers in 2025

Engineering.com partnered with Energage

Unlock the Future of Engineering: Embrace the Digital Thread

Discover how the digital thread unifies

to recognize excellence in engineering companies around the United States.

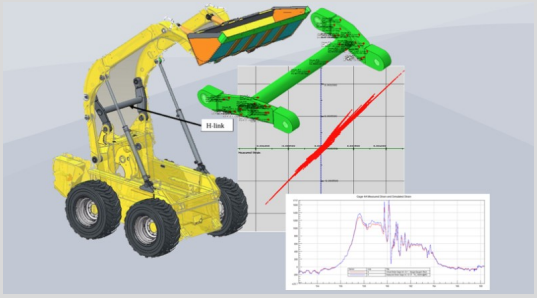
Follow the link below to see this year's list of the Top Workplaces for Engineers!

read it here

product data, enhances collaboration, and accelerates innovation with full lifecycle traceability. This eBook explores strategies to address disconnected systems, compliance challenges, and operational complexity.

get it here

Upcoming Webinars



Do You Know Your Loads?

April 23, 2025
1:00 PM (Eastern US)

Case New Holland, Chief Engineer (retired) discusses the development and application of advanced simulation techniques, offer valuable insights into the challenges and rewards of working in the engineering field.

register

Leveraging Simulation Rapid Results Review to Keep Pace with Automotive Virtualization Requirements

May 29, 2025
11:00 AM (Eastern US)

This webinar features Cooper Standard's Kastriot Shaska, Sr. Director of Engineering, Global Technical Center.

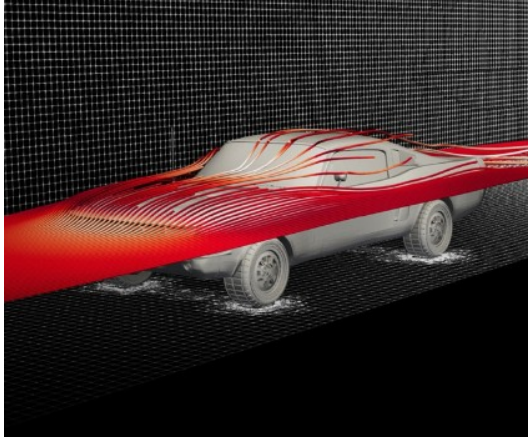
register

Featured Articles

Top AI Trends Shaping Engineering in 2025

AI is pivotal in reshaping engineering paradigms, offering tools and methodologies that enhance precision, efficiency, and adaptability across various domains. Engineering leaders looking to stay ahead in the AI race should focus on advancements in four key areas: generative AI, verification & validation, Reduced Order Models (ROMs), and control system design.

read the article



When Should FEA, CFD, and Multiphysics Simulation be used for Fluid-Related Problems?

Overall, the choice between using separate FEA and CFD software, multiphysics software and the simulation approaches and methods depends on the nature of the problem being studied.

Here's how to pick which is best for yours.

read the article

Did you miss it? On-Demand Webinars

Webinar Recording: AI/ML in Optimization and Design Exploration at General Motors

This webinar details how General Motors leverages AI to accelerate and enhance optimization, ensuring that designs meet and exceed standards while driving innovation and fast decision-making in product engineering.

Webinar Recording: Use Cases of AI/ML in Optimization & Design Exploration for Creating Robust Designs

This webinar covers applications and demonstrations for ML in engineering design tasks. It covers examples on how ML can be used in simulation-based optimization projects to greatly accelerate the process.

watch it here

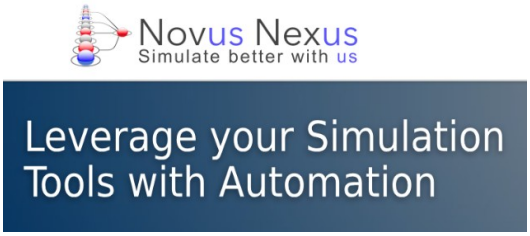
watch it here

Partners Spotlight

PTC's Creo has comprehensive simulation capabilities that serve engineers and designers throughout the product development process.

With this suite of capabilities, you can integrate simulation early and often into your process enabling you to make better design decisions, reducing costs, improving quality and speeding time to market.

website



Democratize CAE workflows: Enable Designers to Start Simulations with Confidence

When designers have direct access to simulation tools with the ability to initiate dependable simulations at any stage in the design process, they gain access to timely product insights that confer powerful advantages.

website

And Finally... Upcoming Events

Do you Really Know Your Loads?
April 23

SIMULIA Americas Users Conference
April 29-May 1

CadenceLIVE
May 7

NAFEMS World Conference
May 19-22

Simulation World
May 21-22

Leveraging Simulation Rapid Results Review to Keep Pace with Automotive Virtualization Requirements
May 29

10th Before Reality Conference
June 25-27

find more here

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