REVOLUTION™ in Simulation

News & Updates

April | 2024

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**

Check it Out!

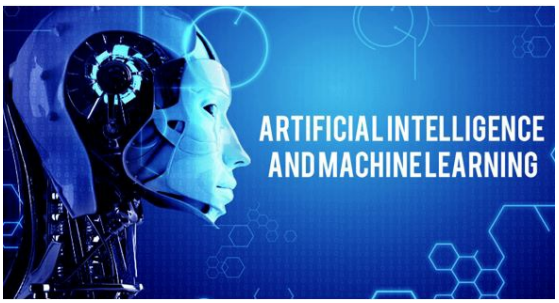
Case Study
Dentium Streamlines Design & Development by Combining SOLIDWORKS & 3D EXPEREINCE Works

On-Demand Webinars
Accelerating Heat Sink Design with ColdStream & PyFluent GPU Technology

Harnessing Simulation & Test for Product Development Success

Paper
Electromagnetic Compatibility Simulations in the Automotive Sector

In the News
SDC Verifier 2024 R1 Release Empowers Structural Engineers with Enhanced Accuracy and Expanded Standards Compliance



Did you miss it?

Roundtable Discussion: "AI in Simulation"

Watch this on-demand webinar here.

Want more AI?

Find more AI/ML topics here.

Coming soon! "AI/ML in Simulation – Ask the Experts" series of events, resources, interviews, panels, and guided training materials for engineers.

The Role of AI in Transforming Structural Engineering

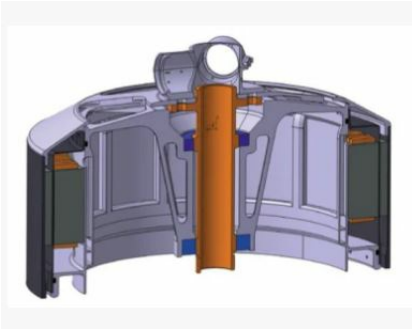
Can AI help structural engineers? Let's take a look at simulation software for several sectors ranging from automotive to civil and environmental engineering.

This post will sum up AI in structural engineering design. Also, we will focus on the potential impact on teams involved in the design process and R&D analysis processes related to structural engineering and structural health monitoring.

read more

How MBSE Digital Twins Expand Electric Aviation

Utilizing CAE solutions to develop reliable, power-dense ePropulsion systems for the future of aviation.



While the automotive sector has done much to progress the general technology for electric powertrains, such experience and the typical level of rigor applied in this domain are not nearly enough to satisfy the safety integrity and reliability demands of aerospace. This does not prohibit the use of modern or leading-edge technology in aerospace, but success will only be achieved through the application of robust Systems Engineering, complemented by integrated Model-based Systems Engineering (MBSE) workflows.

read it here

Design Explorer: Driving the AI Simulation Process Using AI

This presentation showcases how users of the Altair HyperWorks platform can evaluate design changes, perform designs of experiments, and run optimizations.

The presentation also explores how AI is being integrated into the product design process, with a particular focus on how it can help in decision making, reduce human error, and even inspire new inventions. Advanced machine learning techniques can be used to train exploration-generated data, making the Design

Explorer a natural environment for the convergence of simulation and AI. Attendees can expect to gain a better understanding of the Design Explorer workflow and learn how AI is being incorporated into the process.

learn more

Partner Spotlight

Corvid HPC

Corvid HPC is a cloud computing provider with over 15 years of simulation experience solving some of the DoD's toughest challenges. Our engineering team provides one-on-one simulation support to ensure our customers get the most out of high-performance computing.

Corvid HPC's user interface is designed to support all scalable engineering simulation codes, tailored for all – from beginners to experts. Corvid HPC leverages our own US-based hardware to provide simple and cost-effective pricing to our customers with no middleman.

website

Upcoming Events!

Cooling Electronics: Pins, Fins, Gyroids Compared
April 18

Beta-CAE Nordic Open Meeting
April 18

Webinar: From Regulation to Reality: Harnessing AI to Extract Regulatory Requirements into PLM

April 23

Beta-CAE North America West Coast
April 23

Webinar: Enabling Open Standards-Based Digital Twins with New Visualization Technologies
April 24

SIMULIA Americas Users Conference
May 1-2

2024 PLM Road MAP & PDT North America
May 8-9

Simulation World
May 14-16

Beta-CAE Open Meeting (Italy)
May 28

find more here

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