REVOLUTION™ in Simulation

News & Updates

September | 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
OtO Used Digital Twin to Trim Development Costs

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

Paper
Getting More Value from Simulation: A Guide for Making Better Informed Engineering Decisions

PaperEquipment Stress & Analysis Sizing

Blog6 Strategies to Accelerate the Impact of CAE Results

In the News
Siemens Brings New Immersive Collaboration, Electromechanical Workflows & New AI-Enabled Design Capabilities to NX

NEW: AI/ML in Simulation!

We've launched a new learning program dedicated to the rapidly advancing role of AI in engineering simulation and product development.

learn more

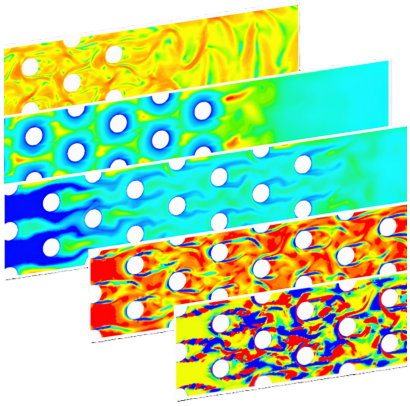
AI/ML in Simulation Learning Program:

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 this new AI in Simulation Learning Program and (access to experts in this field) useful. The curriculum is curated by experts, offering best practices, expert guidance, and a community discussion forum to ask questions and share insights.

With information for senior management, middle management, and end-users alike, the initiative is supported by founding partners including Siemens, Aras, EmpowerOps, and CIMdata.

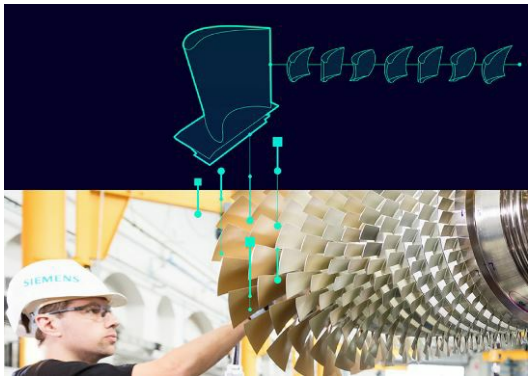
find it here



Approaching Machine Learning Problems in Computational Fluid Dynamics and Computer-Aided Engineering Applications: A Monograph for Beginners

This is not a typical book. This is a practical guide and crash-course to enable mechanical and aerospace engineers to complete machine learning projects on simulation data, from start to finish.

get the book



Siemens Revolutionizes Engineering Simulation with HEEDS AI Simulation Predictor and Simcenter Reduced Order Modeling

Siemens' HEEDS AI Simulation Predictor unlocks new possibilities for manufacturers by empowering engineering teams to harness the potential of advanced AI-driven predictive modeling.

learn more

How SDC Verifier Simplifies Structural Engineering:

Streamlining Design, Finite Element Analysis, and Standards Verification

The cumbersome task of verifying structural design according to numerous standards has always been a challenge. Engineers have found themselves buried under mountains of manuals, struggling with manual calculations, or juggling multiple software programs to model and verify compliance.

SDC Verifier explored the complexities of industry standards and created a solution to simplify the design process. Through tireless dedication and relentless innovation, engineers found that they were able to conduct standards verification directly within Ansys Mechanical, Simcenter 3D, and Femap using SDC Verifier software.

learn more

Case Study: Amsted Automotive

While today's new product development processes are driven by robust, 3D digital applications, there remains one notable exception. For many, CAE analysis post-processing and reporting remain largely a manual, 2D process.

Learn how VCollab's Rapid Results Review is allowing Amsted Automotive to improve the process for sharing CAE insights. The results are measurable and sustained improvements to time, cost, and the ability to interrogate reports more thoroughly.

read the case study

Partners Spotlight

Wolf Star Technologies

Wolf Star Technologies understands the structural and dynamic issues that plague every product development project. Their unique solutions meet the fundamental needs of engineers / analysts working with FEA tools.

Wolf Star's 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

Turboprovod

Turboprovod's PASS software combines embedded intelligence with powerful capabilities to make piping and equipment analysis practical for every engineer and designer while reducing the time, effort, and cost to perform the analysis.

The result is smart simulation and sizing tools for every piping and equipment engineer/designer that enable new users to perform piping/equipment analysis in days rather than months.

website

Upcoming Events

Leveraging AI & ML in the Digital Thread
August 8

APICS 24
August 17-19

Seneca Dairy Systems: Mootivator Crowd Gate for Happy Cows
September 3

Elsewedy Electric: Transforming urban mobility in Cairo with New Monorail System
October 8

Beta-CAE Open Meeting (North America)
October 10

Multiphysics Conference 2024
October 21-23

find more here

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