News & Updates

December | 2021

Revolution in Simulation is an industry initiative for educating, advocating, collaborating, and innovating to make the use of current, emerging, and future engineering simulation technologies not just more capable and efficient for the CAE expert, but more accessible and reliable for non-experts – what we call "The Democratization of Simulation".

Learn more at rev-sim.org.

WHAT'S NEW?

Coming Soon: Users' Forum
Rev-Sim is about to launch its new simulation users' forum. Check our website for updates!

Upcoming Webinar:
How Democratization Helps GKN Engineers Sleep Better
December 9, 2021

Case Study:
Roadmap to Digital Twins 2.0

Simulation Organizations:
These organizations are helping to advance engineering simulation.

Industry Leader Interviews:
Rev-Sim is conducting a series of interviews with simulation industry experts and leaders. Contact us if you would like to recommend an expert for an upcoming interview.

Sponsors:
Rev-Sim welcomes Maya HTT, SimScale, and Cadence as its newest sponsors!

"Learn from your Peers" Webinar Series

Our webinar series features manufacturing companies discussing their successful deployment of next-generation simulation technologies. Webinars are focused on the implementation journey for these companies including the challenges, solutions, benefits, and lessons learned along the way.

Check out our lineup of recorded webinars!

view webinars

1 on 1 with: Kenneth Wong

In this Rev-Sim interview, Digital Engineering Magazine Senior Editor, Kenneth Wong shares his thoughts on leveraging the power of simulation more completely throughout the organization while offering his thoughts to software vendors from the users' perspective.

listen to the pod cast

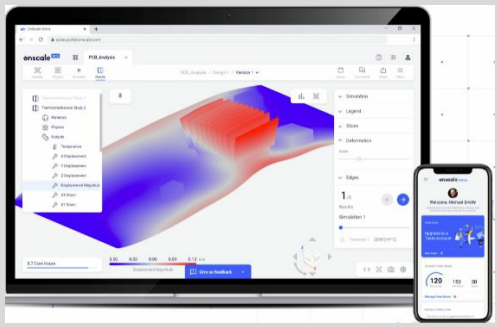
Case Study: Electric Vertical Take-Off and Landing

The drive for greater connectivity and lower emissions has disrupted the aerospace industry as it stands today. Environmental concerns are fueling vehicle electrification; switching from jet fuel to electricity is a vital solution for reducing emissions to avoid the worst impacts of climate change. Electric Vertical Take-Off and Landing (eVTOL) promises a new era for urban air mobility and regional transportation. Read it here.

more case studies

Sponsor Spotlight: OnScale

onscale



OnScale CAE tools are based on proprietary multiphysics solvers that were developed and validated over 30 years by one of the largest engineering consulting firms in the world for DARPA, the US Department of Defense (DOD), and large commercial customers.

OnScale gives engineers a wealth of design insights and highly accurate simulation results up to 100x faster than legacy CAE offerings. Current solutions address the simulation needs of Semiconductor and MEMS, 5G mobile, next-gen biomedical, and autonomous vehicle markets.

learn

more

Generative design is a set of digital tools that augment your capabilities as an engineer and designer. These tools address the engineering need to explore efficiently and effectively the entire available design space, enabling you to converge quickly to the best possible solution that meets all design requirements, both technical and non-technical.
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learn more

Our Newest Sponsors

Maya HTT serves customers globally across many sectors, with a focus on aerospace and defense, automotive and transportation, electronics, and industrial machinery.

Explore Maya HTT simulation services and solutions or book a workshop with our Industrial AI experts.

SimScale began as a consultancy, and further led the founders to a new vision that allowed them to utilize their simulation knowledge.

In 2011 they had the idea to create a simulation platform that allows every engineer in the world to get access to simulation.

Cadence is a leader in electronic design, building upon more than 30 years of computational software expertise and decades of computational fluid dynamics expertise. With an industry-leading meshing approach and a host of solver and post-processing capabilities, Cadence CFD provides a comprehensive workflow for applications including propulsion, aerodynamics, hydrodynamics, & combustion.

Upcoming Events!

Webinar: How Democratization Helps GKN Engineers Sleep Better

December 9, 2021
9:00 AM (Eastern US)

This webinar will discuss the advantages of applying a low code application development platform that effectively makes Excel spreadsheets behave like modern enterprise applications, eliminating Excel's weaknesses and providing a far higher level of comfort that these tools are functioning correctly, consistently and securely.

GKN AUTOMOTIVE

Information & Registration

More Events

BETA CAE North America Online Open Meeting
December 7-8

The UC Simulation Center – A P&G and University of Cincinnati Collaborative
December 8

How Simulation Helps GKN Engineers Sleep Better
December 9

Promtech Simulation Conference (Day 2)
December 9

Optimize Onshore and Offshore Wind Farm Placements with CFD
December 9

Turbomachinery Pump Symposia
December 14-16

FEM Fundamentals of FEA Software: ANSYS, PARAN/NASTRAN, CivilFEM
December 16

Simulation of Oil Management for Transmissions Using MPS
December 16

EV Battery Pack Thermo-mechanical Design: Gap Fillers Simulation with SimScale
January 19

Ventilation Strategies That Work
January 25

Efficient Gear Measurements for Wind Turbine Manufacturing
January 27

more events