News & Events from Rev-Sim.Org
Summer 2019

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

The _Rev-Sim.org_ website provides expertly curated resources through an open community platform to share the latest industry news, events, case studies, blogs, whitepapers, webinars, best practices, consultant advise, and solutions providers to help democratize simulation for the benefit of faster and more robust development cycles.

Explore Rev-Sim.Org

Help build the Democratizing Simulation community by forwarding this newsletter to a colleague or your followers. Its that easy.

(in) Share   (f) Share   (✉) Forward

Success Story: Racing Rules

Developing efficient processes to gain critical data to test aerodynamics and analyze racing behavior on various tracks keeps NASCAR ahead of the curve.

Watch the recording [here](#).

See All Case Studies

Our Newest Sponsor

[Pointwise, Inc.](#) is solving the top problem facing computational fluid dynamics (CFD) today – reliably generating high-fidelity meshes. The company's Pointwise software generates structured, unstructured, overset and hybrid meshes; interfaces with CFD solvers such as ANSYS FLUENT®, STAR-CCM+®, OpenFOAM®, and SU2 as well as many neutral formats, such as CGNS; runs on Windows, Linux, and Mac, and has a scripting language, Glyph, that can automate CFD meshing.

Upcoming Webinars:

3D Crack Growth Simulation: Advancements & Applications

July 17, 2019

1:00 PM (Eastern US)

This webinar will detail the latest technological advancements for accurate simulation of three-dimensional metallic crack growth via coupled finite element analysis (FEA) and fatigue life computations. Additionally, we will examine why the development of more complex crack growth models requires both tighter control over numerical errors (i.e. solution verification) and rigorous benchmarking to standard handbook solutions and available experimental data (i.e. model validation).

Information & Registration

Democratization of Simulation Governance-Compliant Sim Apps

July 29, 2019

1:00 PM (Eastern US)

This webinar will discuss why it is essential that Sim Apps implement Numerical Simulation technologies which enable the practice of Sim Gov in order for the vision of democratization of simulations to be realized, as well as why it is important for engineering managers to get on the Sim Gov train sooner rather than later.

Information & Registration

Here Comes the Simulation Revolution!

MachineDesign.

Throughout the past year we've had a series of articles published in Machine Design Magazine. This series provides a detailed look at the big picture of Democratizing Simulation. Take a look!

Part 1 : Democratizing Simulation Introduction
Part 2 : Implementation Challenges & ROI
Part 3 : Application Options & Solution Providers

More Rev-Sim Articles

A Word From our Sponsors

Front End Analytics (FEA)
Delivering Business Advantage

Juan Betts, FEA Managing Director, was a featured presenter at the 2019 NAFEMS World Congress. Download the paper - *Physics Informed Machine Learning: From Simulation Powered Design to Predictive Digital Twins.*

CAASE20
The Conference on Advancing Analysis & Simulation in Engineering
June 16th - 18th, Indianapolis
Co-hosted by: NAFEMS DE

NAFEMS
Make plans now to attend CAASE20 (June 16-18, Indianapolis). Abstracts are now being accepted. More information here.

ESTECO
The new VOLTA and modeFRONTIER Summer 2019 release is now available with improvements to further enhance your product development process.
Read about it here.

Sponsor Spotlight

kinetic vision SM

Since 1988 Kinetic Vision has been delivering progressive and imaginative product and process solutions for its international customer base. The company's expertise is turning strategy into execution using the latest Digital
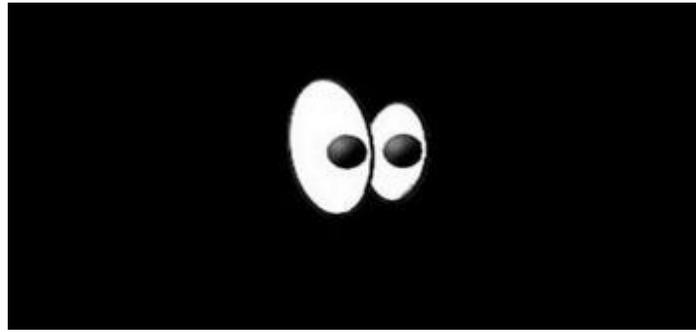
Development Tools to support the Product Lifecycle. This includes enterprise-wide deployment of advanced technologies such as HPC modeling and simulation, industrial scanning and virtual reality, but also extends to many other cost-saving and speed-to-market solutions.

Read this interview with Kinetic Vision President & CEO, Rick Schweet to learn what he sees are the challenges to Democratizing Simulation.

Rev-Sim sponsors are recognized technology thought leaders offering software or services which make simulation not only more capable and powerful for the expert, but also more usable and reliable for the new user or non-CAE specialist. Learn more about each of them here.

Don't be Left in the Dark!

Why wait for our next newsletter??
Follow us on LinkedIn to stay up to date on the latest Democratizing Simulation news, case studies, events and more!

Follow us on LinkedIn

Upcoming Events

July

Webinar: The Rise of Simulation
July 11
BrainComp – Workshop on Brain-Inspired Computing 2019
July 15-19: Cetraro (Italy)
Webinar: 3D Crack Growth Simulation Advancements
July 17
Daimler CAE Forum
July 17-18: Stuttgart (Germany)
Webinar: Democratization of Simulation Governance-Compliant Sim Apps

July 29

More Events

Privacy Statement

RevolutionInSimulation.Org (Rev-Sim.Org) strives to keep you up-to-date on resources, industry developments, industry events, and thought leadership through our email communications.

Date privacy and security is a priority and you can review the full Privacy Policy here. If you have any questions about the changes, please contact us at info@rev-sim.org. As always you have the opportunity

to opt-out from receiving our emails by using the safe unsubscribe functionality below.

Our mailing address is:
info@rev-sim.org

Want to change how you receive these emails?
You can update your preferences or unsubscribe from this list.