Increasing Electronics Reliability with Liquid Cooling

February 17, 8:00 AM PST

Speakers: Curt Chan and Tejas Rao

The success of every major technology trend depends on electronics reliability. As engineers developing electrical and electronic systems face increased power demands, as well as heightened packaging constraints, the need for liquid cooling systems to adequately manage temperatures grows greater. Best practices for ensuring and predicting reliability require comprehensive multiphysics simulations earlier in the product development process.

This webinar explores how you can leverage Ansys Discovery's real-time physics simulation and harness the power of the Ansys Fluent inside Discovery to determine if your "best design" holds true to your performance goals.

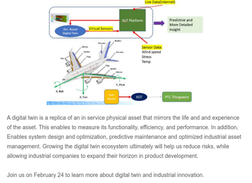
- Understand the impact of simulation-driven design for predicting and ensuring electronics reliability.
- Discover how to conduct thermal management and CFD simulations in seconds using real-time physics.
- Learn how to leverage Fluent within Ansys Discovery to perform a fluid-solid CHT simulation to precisely predict temperature distribution and fluid pressure drop.
- Explore how you can incorporate Fluent to run more advanced simulations and perform final validation.

Register

Interested in more Discovery and Fluent webinars? Consider visiting the Ansys Discovery and Fluent Webinar Series webpage.

Digital Twin and Industrial Innovation

February 24, 11:00 AM PST



A digital twin is a replica of an in service physical asset that mirrors the life and experience of the asset. This enables to measure its functionality, efficiency, and performance. In addition, Enables system design and optimization, predictive maintenance and optimized industrial asset management. Growing the digital twin ecosystem ultimately will help us reduce risks, while allowing industrial companies to expand their horizon in product development.

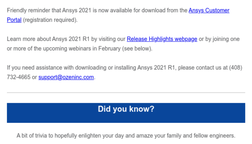
Join us on February 24 to learn more about digital twin and industrial innovation.

Register

Happy Engineer's Week
February 21 - 27

Founded by National Society of Professional Engineers (NSPE) in 1951, EWeek (February 21– 27, 2021) is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers.

Now Available: Ansys 2021 R1



Friendly reminder that Ansys 2021 is now available for download from the Ansys Customer Portal (registration required).

Learn more about Ansys 2021 R1 by visiting our Release Highlights webpage or by joining one or more of the upcoming webinars in February (see below).

If you need assistance with downloading or installing Ansys 2021 R1, please contact us at (408) 732-4665 or support@ozeninc.com

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Did you know?

A bit of trivia to hopefully enlighten your day and amaze your family and fellow engineers.

Did you know:

- 85% of plant life is found in the ocean
- honey is the only natural food which never spoils
- the most commonly used letter in the alphabet is E
- your tongue is the fastest healing part of your body
- the sentence "the quick brown fox jumps over the lazy dog" uses every letter in the English alphabet

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Upcoming Ansys 2021 R1 Webinars

You can also view all of the upcoming webinars by visiting our Training Calendar.

Ansys Twin Builder 2021 R1: Latest Innovations

February 11, 2021 - 8:00 AM PST

This webinar spotlights Ansys 2021 R1's newest release of Ansys Twin Builder, providing a deep dive look at its many new and exciting enhancements for export workflow.

Ansys 2021 R1: Ansys System Coupling Update

February 11, 2021 - 8:00 AM PST

Complex product interactions often require high-fidelity multiphysics simulations for in-depth understanding. In this webinar, we will discuss recent advancements in System Coupling, a key enabler of multiphysics simulations.

Ansys 2021 R1: Fluent Update

February 16, 2021 - 8:00 AM PST

This webinar will highlight some of the major enhancements in Ansys Fluent in our latest release, Ansys 2021 R1. New capabilities and innovative features in this release will help boost productivity and reduce time to accurate results. Learn about the new updates from pre-processing and user experience to new modeling capabilities.

Ansys 2021 R1: Ansys SPEOS Latest Advances

February 16, 2021 - 8:00 AM PST

Discover the advances in Ansys SPEOS included in the latest release to increase the reliability of ADAS and AV simulations, maximize lidar detection capabilities, accelerate optical simulation time using Ansys Cloud and increase productivity through automated functions.

Ansys 2021 R1 Update: What's New in Ansys SpaceClaim

February 18, 2021 - 8:00 AM PST

This webinar spotlights Ansys 2021 R1's newest release of SpaceClaim, providing a deep dive look at its enhanced features for design modeling and model prep for simulation. We will highlight capabilities such as a new deviation probing tool that helps you make precise measurements when comparing two models. Additionally, we will discuss enhanced model visualization and showcase faster, more robust midsurfacing capabilities.

Ansys 2021 R1 Update: What's New in VRXPERIENCE Sound

February 18, 2021 - 8:00 AM PST

This webinar spotlights the latest release of Ansys VRXPERIENCE Sound in Ansys 2021 R1, an enhanced acoustic experience focused on sound design for electric vehicles. We'll provide a detailed look at how 2021 R1 unites VRXPERIENCE Sound with Ansys Fluent to take aeroacoustic simulations to the next level.

Ansys 2021 R1: What's New in Ansys Icepak — Mechanical Thermal Solution

February 18, 2021 - 8:00 AM PST

Join us to learn about a new Ansys Mechanical design type — the Mechanical Thermal solution — now available inside Ansys Electronics Desktop (AEDT).

Ansys 2021 R1: Ansys Mechanical Update

February 23, 2021 - 8:00 AM PST

Learn about the new features of Ansys Mechanical in Ansys 2021 R1, including the ability to create fluid networks using the new line body creation tool, record and debug scripts, and use a short fibers workflow to fill the gap between injection molding and structural simulation.

Ansys 2021 R1: Overset Meshing Update

February 23, 2021 - 8:00 AM PST

This webinar will highlight all the major enhancements in Ansys Fluent for Overset meshing methods in Ansys 2021 R1.

Ansys 2021 R1 Update: What's New in Ansys optiSLang

February 23, 2021 - 7:00 AM PST

Discover the enhancements in Ansys optiSLang in our latest release, Ansys 2021 R1, including a new scheduler submit function in Ansys Electronics Desktop, better control and monitoring of the workflow through the new status overview function, and easy web-app building and publishing in Ansys Minerva.

Ansys 2021 R1: Ansys Additive Solutions Update

February 24, 2021 - 8:00 AM PST

This webinar will introduce the updates to Ansys Additive solution in the latest release, including 2D microstructure capabilities in Ansys Additive Science, stair-step analysis in Additive Prep, and automated calibration using the Additive wizard in Ansys Workbench Additive.

Boost Engineering Productivity with Ansys Minerva, Powered by Aras

February 24, 2021 - 8:00 AM PST

The latest release, Ansys 2021 R1, boasts major UI enhancements and improvements across all capabilities, including improved data management with file comparison, meta data extraction with automatic file conversion, Ansys LS-DYNA job submission and direct integration with Ansys optiSLang Web Apps.

Ansys 2021 R1: LS-DYNA and Ansys Motion Update

February 25, 2021 - 8:00 AM PST

Ansys LS-DYNA and Ansys Motion offer advanced implicit, explicit and multibody dynamics solvers, improved workflows and more.

Ansys 2021 R1: Fluent Simulation Reports

February 25, 2021 - 8:00 AM PST

This 15-minute webinar provides a detailed explanation for how to create and interact with a customized simulation report that summarizes the setup and results of your Ansys Fluent simulations.

Address

Ozen Engineering, Inc
1210 E Arques Ave #207
Sunnyvale, CA 94085

Sales

P: (408) 732-4665
E: sales@ozeninc.com

Support

P: (408) 732-4665
E: support@ozeninc.com