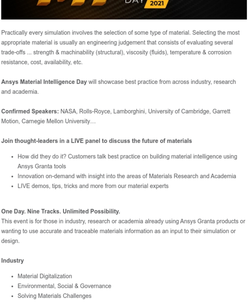
Ansys Material Intelligence Day

November 3



Practically every simulation involves the selection of some type of material. Selecting the most appropriate material is usually an engineering judgement that consists of evaluating several trade-offs ... strength & machinability (structural), viscosity (fluids), temperature & corrosion resistance, cost, availability, etc.

Ansys Material Intelligence Day will showcase best practice from across industry, research and academia.

Confirmed Speakers: NASA, Rolls-Royce, Lamborghini, University of Cambridge, Garrett Motion, Carnegie Mellon University…

Join thought-leaders in a LIVE panel to discuss the future of materials

- How did they do it? Customers talk best practice on building material intelligence using Ansys Granta tools
- Innovation on-demand with insight into the areas of Materials Research and Academia
- LIVE demos, tips, tricks and more from our material experts

One Day. Nine Tracks. Unlimited Possibility.
This event is for those in industry, research or academia already using Ansys Granta products or wanting to use accurate and traceable materials information as an input to their simulation or design.

Industry

- Material Digitalization
- Environmental, Social & Governance
- Solving Materials Challenges

Research

- Additive Manufacturing
- Material 4.0
- Materials for Electronic Applications

Education

- Innovation in Materials Education
- Infusing the Curriculum with Sustainability
- Digital Multidisciplinary Teaching

Register

Simulation Best Practices for Medical Devices Design and Development

October 13, 11:00 AM PT

de-agglomeration

5 micron particles

200 micron particles

Join us as Dr. Metin Ozen discusses "Simulation Best Practices for Medical Devices Design and Development".

Ansys is spearheading the in silico medicine revolution by working across the healthcare ecosystem of policy makers, regional regulators, industry leaders, consortia (e.g. the Avicenna Alliance) and leading academics.

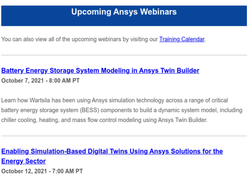
Healthcare companies rely on the accuracy of Ansys comprehensive simulation portfolio because they work with both regulators and industry standards organizations to develop best practices for predicting medical device and medical equipment behavior on the bench and when interacting with the human body. These models facilitate adoption and accelerate the regulatory approval process.

Their work is already having a significant impact. For example, their physics-based simulation solutions recently helped a leading North American medical device manufacturer shorten the time to approval and product launch by 2 years, also enabling them to reduce their cost of a single regulatory submission by $10M.

Register

Ansys Level Up 2.0

October 20, 7:00 AM PT



This year, Ansys Level Up 2.0, a free virtual conference, is bigger and better than ever. We're leveling up our sessions with more products, innovative solutions and new opportunities for beginner, intermediate and veteran engineers alike to advance their simulation journeys.

Hear from industry experts, start-ups, customers, application engineers and more on best practices, lessons learned, latest advances & capabilities and the workflows that will improve your own product designs. This is your opportunity level up your simulation skills and connect with experts in different industries on how they leverage simulation to reduce prototyping, save valuable engineering time and revolutionize their products.

Register

Did you know?

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

Did you know:

- the sun weighs 2,000 million million million tons.
- the yo-yo was originally a weapon used in the Philippine jungle.
- African lions catch about 20% of the prey they chase. Dragonflies catch 95%.
- the shiniest living thing on earth is the Pollia Condensata, an African fruit.
- every year, about 100 billion servings of instant ramen are sold each year, or about 14 bowls per person.

Upcoming Ansys Training Schedule

Ozen Engineering offers a variety of Ansys software training classes that allow users to educate themselves on how to make better use of the wide-ranging capabilities of Ansys simulation software.

Both introductory and advance level classes are available and taught by experienced and knowledgeable Ozen engineers.

Students can attend "in person" at our Sunnyvale, CA office or "remotely" from their office or home using *GotoMeeting video conferencing*.

To learn more, click on the link below for class description and cost. Feel free to contact us at training@ozeninc.com or (408) 732-4665 to discuss any of these classes or any specific training needs.

ANSYS Fluent Getting Started, October 12 - 13
ANSYS CFD Quickstart, October 14
ANSYS HFSS for Signal Integrity, October 15
Introduction to ANSYS Maxwell, October 19 - 20
Ansys Twin Builder Getting Started, October 21
Introduction to ANSYS SpaceClaim Direct Modeler, October 22
ANSYS Mechanical Linear and Nonlinear Dynamics, October 26 - 27
ANSYS Mechanical APDL One-day Quickstart, October 28
ANSYS CFX Multiphase Flow Modeling, October 29
Introduction to ANSYS Mechanical, November 2 - 3
ANSYS Mechanical Quickstart, November 4
Introduction to ANSYS HFSS, November 5
Introduction to ANSYS CFX, November 9 - 10
ANSYS CFD Quickstart, November 11
Design Optimization with optiSLang, November 12
ANSYS Mechanical Basic Structural Nonlinearities, November 16 - 17
ANSYS Mechanical Heat Transfer, November 18
Introduction to ANSYS Meshing, November 23
Ansys SPEOS Getting Started, November 24

Upcoming Ansys Webinars

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

Battery Energy Storage System Modeling in Ansys Twin Builder

October 7, 2021 - 8:00 AM PT

Learn how Wartsila has been using Ansys simulation technology across a range of critical battery energy storage system (BESS) components to build a dynamic system model, including chiller cooling, heating, and mass flow control modeling using Ansys Twin Builder.

Enabling Simulation-Based Digital Twins Using Ansys Solutions for the Energy Sector

October 12, 2021 - 7:00 AM PT

Learn how simulation-based digital twins can be used in the energy sector throughout the product lifecycle, from design to operations and maintenance. Digital twins act as virtual sensors, monitoring the health and potentially extending the useful life of a component through predictive maintenance.

Breaking Down Barriers to Innovation with Ansys Elastic Licensing

October 12, 2021 - 8:00 AM PT

In this webinar, we will discuss how Ansys Elastic Licensing can help you quickly expand your access to more users, additional Ansys software applications, and increased computing capacity.

How to Win the Race to Electrification: The Four Pillars of Electrification

October 13, 2021 - 6:00 AM PT

Electrification will drive future mobility and providers are pivoting to invest heavily in electric vehicles (EVs). Join this webinar to learn how engineers design each of the four "pillars" of electrification: battery, power electronics, electric motors, and electric powertrain integration.

FreeFall Aerospace Shares Best Practices Using Ansys HFSS for Antenna Design

October 13, 2021 - 8:00 AM PT

Learn how FreeFall Aerospace is using Ansys HFSS to design their innovative antenna system, which features a dramatic increase in data rate with minimum mass, power, complexity, and cost.

How to Accelerate Free Surface Simulations 10X with Ansys Fluent

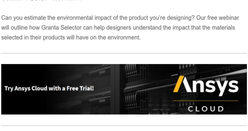
October 14, 2021 - 8:00 AM PT

Discover how Ansys Fluent can reduce your time-to-market in the biopharmaceutical, chemical, and consumer product industries by accelerating free surface simulations by a factor of 10, drastically improving process design, efficiency, and product quality across your applications.

Rapidly Assessing a Product's Environmental Impact

October 14, 2021 - 8:00 AM PT

Can you estimate the environmental impact of the product you're designing? Our free webinar will outline how Granta Selector can help designers understand the impact that the materials selected in their products will have on the environment.



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