

Industry Expert Breakfast

Don't Worry it's Cool – getting a grip on thermal management

24th October 2019 in Zurich

Venue:

(OIZ) Stadt Zürich Organisation und Informatik
Albisriederstrasse 201; 8047 Zürich

Program

08:30 Registration & Breakfast

09:00 Welcome

09:05 Simcenter Overview

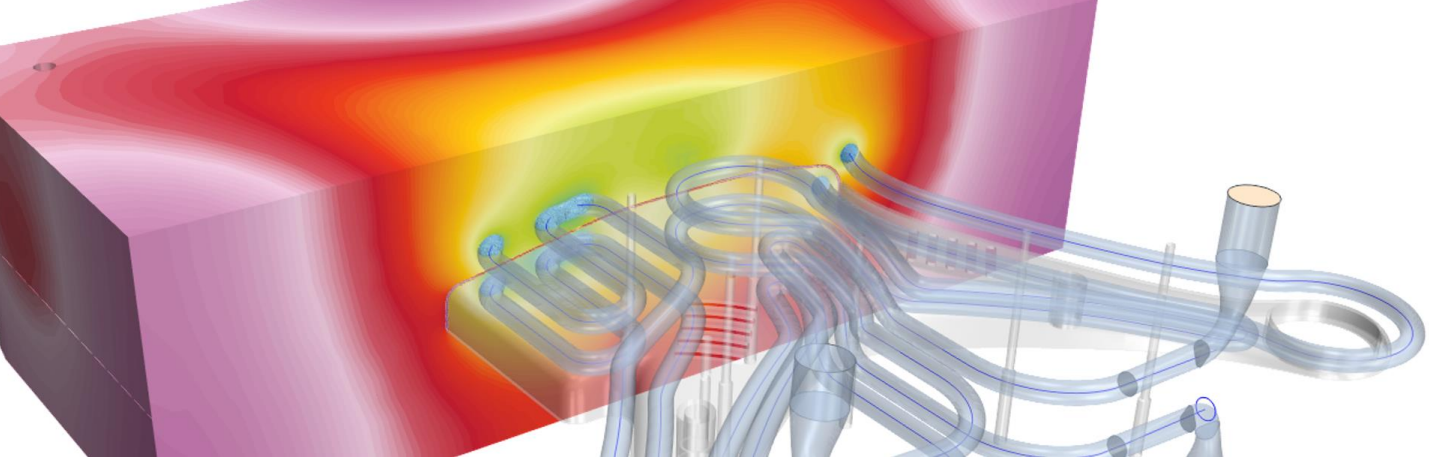
Simcenter™ software uniquely combines system simulation, 3D CAE and test to help you predict performance across all critical attributes earlier and throughout the entire product lifecycle. By combining physics-based simulations with insights gained from data analytics, Simcenter helps you optimize design and deliver innovations faster and with greater confidence.

Jean-Luc Emery, Simulation portfolio leader, Siemens Digital Industries Software

09:45 Thermal/Flow simulations

Thermal management is a major consideration for a wide range of products, including industrial machinery, automobiles and consumer electronics. The objective of any thermal management solution is to maintain a product's temperature within a range that is optimal for performance. Accomplishing this may require the removal or addition of heat, either passively or in an actively managed fashion, and this can be evaluated using thermal simulation software. Since the real-world performance of your product depends on how it interacts with fluids, either gases, liquids or a combination of both, you need to predict how those fluids behave, and to be able to turn their influence on your product's advantage.

*Bernhard Scharinger, Simcenter 3D portfolio development, Siemens Digital Industries Software
Oliver Taheny, Simcenter CCM portfolio development, Siemens Digital Industries Software*



10:45 Break

11:15 A quick look on Additive Manufacturing

Siemens NX provides all of the necessary capabilities, from design to print to post-print validation, in a single integrated system. Siemens NX is industrializing additive manufacturing so you can not only prototype, but also manufacture ground-breaking products with this exciting new technology. This allows you to reimagine your products, reinvent your manufacturing and even rethink your business models with additive manufacturing technology.

Jean-Luc Emery, Simulation portfolio leader, Siemens Digital Industries Software

11:45 Reimagining Manufacturing - Case Conformal Cooling

Conformal cooling is employed in industry to rapidly and uniformly cool molds. Through simulation of conformal cooling channels and multiple objective design optimisation, engineers now have greater control of the temperature of molds. This enables more efficient heat exchange, greater control of the mechanical properties of parts and a reduction in the production cycle. Siemens Simcenter allows you to control and simulate the complete product development from design to manufacturing.

12:45 Lunch & Networking

After the event our experts are pleased to answer your questions in a comfortable atmosphere.

Who should attend

The event is organized for design engineers, Product Development, Researchers, professors and students, system engineers, material scientists, CTOs and R&D managers with organizations in industries and markets whose products and services depend upon sophisticated and precise control of thermal properties and states.

Contact

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