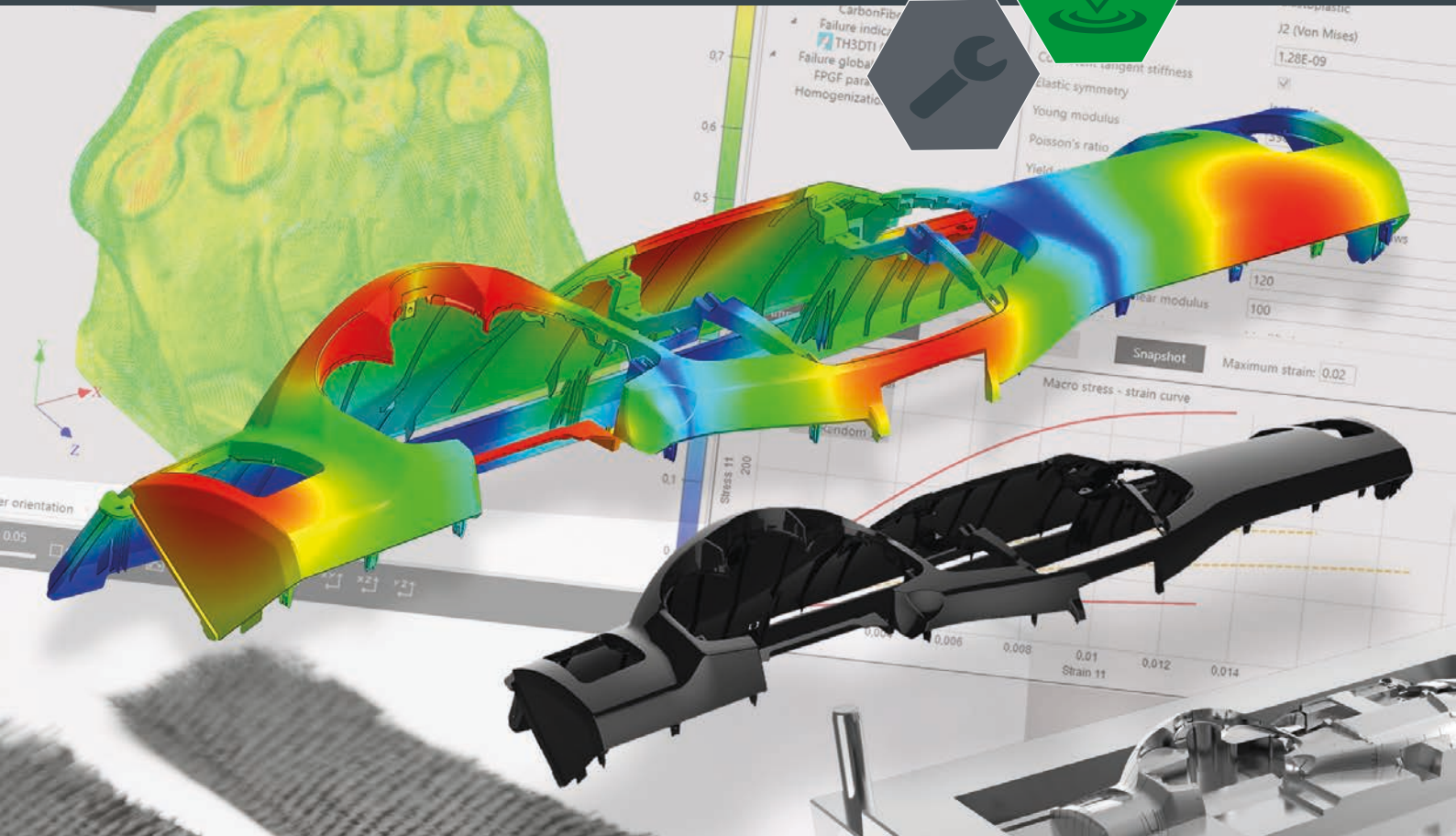


# SIMPATEC

## ISiT 2021

INTERNATIONAL  
SIMULATION  
iMPACT  
TECHNOLOGY



May, 18 and 19, 2021 - Online Conference

We are at the puls of time for you. Always.

Continuously filtering the latest, global trends and bundling creative and innovative ideas into a powerful product portfolio - is our goal. Our roots - and our path - is and remains 'simulation'.

Sharing knowledge and experience through precise communication with you, our customers, is our greatest asset.

Break your limits. Challenge us.

Throughout the years the personal contact with you plays an extremely important role for us. Right now - the importance of a face to face contact is more than clear to everybody. That's the reason why it was not an easy decision, but - unfortunately - a still necessary one. According to our company motto "**Break your limits**", we are opening up new horizons - together with you - and this year we are expanding our classic usermeeting into the

## **\_\_ ISiT 2021 - International Simulation impact Technology Conference 2021**

**Are you in touch with the subject of simulation and its environment?**

If so, we cordially invite you to join us in taking on the challenge to shed new light on and to evaluate and discuss topics relating to applications of CAx products such as process simulation, material modeling, structural mechanics and data. A special focus will be set on presentations that highlight analytical, simulation as well as practical solution approaches regarding application-specific case studies. Technical contributions, workshops and discussion sessions will be offered to the entire auditorium.

Practical technical articles, application examples or case studies provided by our users are also planned. There will be plenty of additional space for technical knowledge transfer, discussions with our experts or about current injection molding specific development trends, news and innovative products.

The conference language is English. Participation is free of charge.

**We look forward to you!**

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TUESDAY, MAY 18, 2021

\* preliminary agenda

Slot 1

Slot 2

AGENDA\*

8:30 am	WELCOME to ISiT 2021 Cristoph Hinse, SimpaTec	
9:00 am	"Material characterization and how it is influencing the simulation results" Kai Steinbach, LZS GmbH	"Coupling simulation and measurement technology" Andreas Siedler, Karl Soldner, Festo Polymer GmbH
9:45 am	"Material data verification for shrinkage behavior by performing an ISO294-4 test simulation" Wiebke Schulte, SimpaTec	"Optimization of processing parameters for hybrid injection molds with polymer-based additive manufacturing inserts by use of flow simulation and experimental setups" Ellen Fernandez, Prof. Ludwig Cardon, Ghent University
10:30 am	"Current and future challenges for process simulation in polymer science and engineering" Matthieu Fischer, Leibniz-Institut für Polymerforschung Dresden e.V.	"Numerical and experimental analyses of two case studies utilizing Moldex3D RTM and WAIM module" Umut Çakmak, Johannes Kepler University, Institute of Polymer Product Engineering
11:15 am	"The importance of mold temperature on mechanical performance of molded parts" Dr. Vito Leo, BIMS SEMINARS SRL	"Foam injection molding - basics and simulation" Katharina Krause, Neue Materialien Bayreuth Fabien Buchy, SimpaTec
11:45 am	LUNCH AND MEETING	
1:00 pm	"A new conformal cooling design procedure for injection molding based on temperature clusters and multidimensional discrete models" Cristina Martin-Doñate, Universidad de Jaen, Department of Graphic Engineering	"SMC in automotive applications: process and simulations" Dr. Benedikt Eck, Faurecia Clean Mobility  "Evaluating the simulated replication fidelity of polymer microneedles compared to injection moulding experiments" Tim Evens, KU Leuven
1:45 pm	"Virtual injection molding using Moldex3D" Armin Kech, Robert Bosch GmbH	"Innovative additive manufacturing" Rémi Goupil, CT CoreTechnologie GmbH
2:30 pm	"High-performance thermoplastics in overmolding under dynamic loads (HiAd)" Michael Klaus, SimpaTec	"Digimat 2021.3 and beyond. Highlights and roadmap" Robert Wesenjak, MSC.Software Tobias Schäfer, SimpaTec
3:15 pm	"How to use real-world CT data to improve your plastic simulations" Kai Winter, Volume Graphics GmbH	"Optimize your plastics additive manufacturing processing capacity for cost and part performance" Tobias Ott, MSC.Software   Tobias Schäfer, SimpaTec
4:00 pm	"Optimizing processes with SmartDO" Fabien Buchy, Dr. Victor Tsai, SimpaTec	"Influences of microstructure on structural behavior regarding foamed components" Tobias Schäfer, SimpaTec

Slot 1

Slot 2

AGENDA\*

8:30 am	"What's new in Moldex3D 2021" Philipp Reustle, SimpaTec	
9:00 am	"Future development / Digital Twin" CoreTech System Co., Ltd.	
9:45 am	"MSC Apex geometry preparation and meshing" Cornelia Thieme, MSC.Software	"Anisotropic thermo-dependent analysis of an automotive component" Dariusz Polaczek, Rodrigo Benevides, Valeo
10:30 am	"Meshing strategies for multi-components including tool data (cooling systems, inlets, inserts, ...)" Charlin Tchoufa, SimpaTec	"Your way to stable process start-ups..." Thomas Koch, Markus Raffelsieper, Kistler Instrumente AG
11:15 am	"Integration of the injection molding processes and its data within one single platform (iSLM)" Carlos Ribeiro Simões, SimpaTec	"Mold temperature control - the hidden potential under the cavity wall" Nadine Müller, Jörn Sengelaub, Contura MTC GmbH
11:45 am	LUNCH AND MEETING	
1:00 pm	"Leverage data to optimize your AM process and reduce manufacturing variability" Ruud Hawinkels, MSC.Software	"Simulation of sandwich structures using LS-DYNA and Moldex3D in the thermoforming and molding of functional elements" Varun Kumar Minupala, Fraunhofer IMWS
1:45 pm	"Improving FEA approach to analyse parts made of thermally conductive compounds" Romeo Mauro, LATI Industria Termoplastici S.p.A.	"MuCell technology for packaging – Optimization of wall thickness and thermal management of mold by simulation" Philipp Hammer, GK Concept GmbH
2:30 pm	"Material characterization of thermosets, elastomer and rubbers for Moldex3D simulations" Tamas Deak, SimpaTec	"Strain-rate-dependent material card generation for fiber-reinforced thermoplastics using Digimat" Stefan Kerkenberg, Hochschule Osnabrück
3:15 pm	"DIGILAB - virtual material development for thermoplastic compounds" Patrick Hirsch, Fraunhofer IMWS	"From process to SMC product through modelling" Patrick Dewailly, IPC
4:00 pm	"End of ISiT 2021 - outlook and conclusion" Cristoph Hinse, SimpaTec	

Go for ISiT 2021  
and register NOW!

Registration deadline:  
May 5, 2021  
events@simpatec.com

# REGISTRATION

We cordially invite you to join us at our **ISiT Conference 2021**, May 18 and 19, 2021, to take on the challenge to re-examine, re-evaluate, discuss topics regarding applications of CAx products such as process simulation, material modeling, structural mechanics and general data.

**Participation fee:**

The fee for attendees and speakers for the **International Simulation impact Technology Conference** is free of charge.

**Conference language:**

All technical presentations, workgroups, chats and discussions are in English.

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Go for ISiT and register now - preferably online via the event article on [www.simpatec.com/events](http://www.simpatec.com/events) or using this form:

I will take part in the ISiT Conference 2021 as follows:

- both days     May 18, 2021 only     May 19, 2021 only  
 I will not participate in the International Simulation impact Technology Conference 2021.

Name of the participant \_\_\_\_\_

Company \_\_\_\_\_

Street \_\_\_\_\_

ZIP City \_\_\_\_\_

Phone \_\_\_\_\_

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