

LIVE STUDIO

Conference Opening | Chris Brow | Moderator



WELCOME NOTE: Learning, Knowledge Sharing and Innovating in 'the new Normal' | Dominic Kurtaz | Dassault Systèmes



KEYNOTE: CATIA & SIMULIA Welcome Session | Ingo Schulte, Sebastian Gautier, Olivier Sappin & Eric Bienvenu | Dassault Systèmes



KEYNOTE: We need more space | Frank Salzgeber | ESA













KEYNOTE: What is Guide Share Europe - German CATIA Work Group | Ulrich Kertscher | HELLA GmbH & Co. KGaA



LUNCH | VISIT OUR EXPO HALL

LIVE STUDIO DAY 1

BREAKOUT STUDIO DAY 1

	Multibody System Simulation	SIMULIA Structure - Composites	3DEXPERIENCE Platform	CST Studio Suite - Miscellaneous
<p>Mechanical Engineering in CATIA 3DEXPERIENCE Peter Stuehn Dassault Systèmes</p> <p>Brand: CATIA #What's New</p> 	<p>Efficient Gearbox Development using Multibody Simulation: How Dynamic Effects and Operating Conditions can already be Considered during Design Manuel Eckstein Wölfel Engineering GmbH + Co. KG</p> <p>Brand: SIMULIA #Best Practices #Multibody System Simulation</p> 	<p>Virtual Material Characterization of Reinforcement Textiles Stefan Hessler RWTH Aachen</p> <p>Brand: SIMULIA #Best Practices #Structural Mechanics/FEM</p> 	<p>3DEXPERIENCE Cross Enterprise Collaboration Scenarios based on OpenDXM GlobalX Peter Pfalzgraf & Daniel Wiegand Prostep AG</p> <p>Brand: SIMULIA #Innovation #3DEXPERIENCE</p> 	<p>Simulation Update: Electromagnetics CST Studio Suite 2021 preview Leonardo Sassi Dassault Systèmes</p> <p>Brand: SIMULIA #Electromagnetism #What's New</p> 
<p>Minimizing the Risk of Infection in Buildings through Aerosol Simulation Martin Westerwald & Alexis Sanjaime Tecosim</p> <p>Brand: SIMULIA #Best Practices #Fluids</p> 	<p>Simulation of a Delta Robot Mechanism with SIMULIA Simpack and SIMULIA Abaqus Eric Feldbausch Wölfel Engineering GmbH + Co. KG</p> <p>Brand: SIMULIA #Best Practices #Multibody System Simulation #Structural Mechanics/FEM</p> 	<p>Composite Materials Demo Case: Optimal Material Use in a Wind Turbine Rotorblade Section by Means of Finite Element Method Failure Analysis Simon Martinez Wölfel Engineering GmbH + Co. KG</p> <p>Brand: SIMULIA #Best Practices #Multibody System Simulation #Structural Mechanics/FEM</p> 	<p>A Supplier's Way of Request-Tracking within 3DEXPERIENCE using Project Management Felix Schade CCS Service GmbH</p> <p>Brand: ENOVIA/EXALEAD, CATIA #Best Practices #3DEXPERIENCE</p> 	<p>Analysis and Optimization of Leaky Wave Antennas (LWA) Utilizing the Lossy Eigenmode Solver in the CST STUDIO SUITE 2021 Frank Demming-Janssen Simuserv GmbH</p> <p>Brand: SIMULIA #Best Practices #Electromagnetism</p> 

LIVE STUDIO DAY 1

BREAKOUT STUDIO DAY 1

Multibody System Simulation

SIMULIA Structure - Composites

3DEXPERIENCE Platform

CST Studio Suite - Miscellaneous

Connected Engineering Demonstrated on the Example of an Electric Drive Development Cycle

Gregor Judex, Stefan Afeldt, Thomas Reimer, Christian Kremers & Maik Auricht | Dassault Systèmes

Brand: SIMULIA, CATIA
#Best Practices #Model Based System Engineering

Implementation of Blade Bearings of Wind Turbines in MBS under Consideration of the Flexibility of the Surrounding Structural Components

Samuel Leupold | RWTH Aachen

Brand: SIMULIA
#Best Practices
#Multibody System Simulation

**Modelling Initial Matrix Cracking into Thin-Walled Damaged Laminates under Compression-After-Impact Loading**

Aurelio Jose Olivares Ferrer | HAW Hamburg

Brand: SIMULIA
#Best Practices #Structural Mechanics/FEM

**Creating the Necessary Data-Base to use VR&AR in Engineering**

Vasileios Kitsios & Christoph Huber | Feysinn – EDAG Production Solutions GmbH & Co. KG

Brand: ENOVIA/EXALEAD #3DEXPERIENCE
#Best Practices

**Light Propagation in 3D Quasiperiodic Structures**

Mustafa Meraj | Hamburg University of Technology

Brand: SIMULIA
#Best Practices #Electromagnetism

**Flexible Body Capable to Reproduce Contact Stresses Arising from Self-Contact**

Markus Breitfuss | Engineering Center Steyr

Brand: SIMULIA
#Best Practices
#Multibody System Simulation

**Efficient Workflow for Applying the Abaqus Multiscale Modeling Approach**

Wolfgang Korte | PART Engineering GmbH

Brand: SIMULIA
#Best Practices
#Structural Mechanics/FEM

**Reduce Time and Cost of Product Development using Multi-CAD with 3DEXPERIENCE Platform**

Igor Kim | IGA Technologies

Brand: CATIA
#3DEXPERIENCE
#Best Practices

**Designing a 2D Integrating Cell with 99,9% Reflectivity**

Hendrik Preuss | Hamburg University of Technology

Brand: SIMULIA
#Best Practices #Electromagnetism



LIVE STUDIO DAY 1

BREAKOUT STUDIO DAY 1

Multibody System Simulation

SIMULIA Structure -
Life Science

SIMULIA Academics

CST Studio Suite - Miscellaneous

5 Years Success-Story 3DEXPERIENCE @ 3CON – Experience / Status / Looking Forward

Mario Rainer | 3Con Anlagenbau GmbH & Ralf Kirchheim | Technia GmbH

Brand: SIMULIA, CATIA
#Best Practices
#3DEXPERIENCE**Using Isight to Optimize the Rider Control Parameters in Simpack Motorcycle Simulation**

Valentin Keppler | CENIT AG

Brand: SIMULIA
#Best Practices #Simpack**Is Seating Hurting You? Usage of Virtual Human Jo for the Design of Office Furniture**

Alexander Siefert | Simuserv

Brand: SIMULIA
#Innovation #Structural Mechanics/FEM**Teaching Finite Elements with ABAQUS**

Martin Bäker | TU Braunschweig - Institut für Werkstoffe

Brand: SIMULIA
#Tips&Tricks #Structural Mechanics/FEM**5G Basestation Design in 3DEXPERIENCE**

Matthias Hansli | Dassault Systèmes

Brand: SIMULIA
#Innovation #Electromagnetism**Migration of Third-Party PLM tools to the 3DEXPERIENCE Platform and Potential Coexistence Scenarios using Standard Products**

Patrick Aretz | T-Systems

Brand: CATIA
#Best Practices #3DEXPERIENCE**Pushing the Boundaries of Wind Turbine Engineering**

Steve Mulski | Dassault Systèmes

Brand: SIMULIA
#What's New #Fluids**Subject-Specific Fibril-Reinforced Poroviscoelastic Finite Element Analysis of the Human Joints, with a Focus on the Knee Osteoarthritis**

Amir Esrafilian | University of Eastern Finland

Brand: SIMULIA
#Innovation #Structural Mechanics/FEM**Modeling and Simulation of Electromagnetic Susceptibility (EMS) issues in Hearing Aids**

Andreas Bauch | Sivantos GmbH

Brand: SIMULIA
#Best Practices #Electromagnetism

LIVE STUDIO DAY 1

BREAKOUT STUDIO DAY 1

Multibody System Simulation

Modelling & Simulation

SIMULIA Structure –
Consumer Goods

Additive Manufacturing &
Fluid Driven Generative Design

Migrating your legacy Metadata and CAD data into the 3DEXPERIENCE platform

Mirko Theiss | PROSTEP AG

Brand: CATIA



Simulation Update Simpack, Release 2021

Axel Dewes | Dassault Systèmes

Brand: SIMULIA
#What's New #Multibody System Simulation #Simpack



Create your own Action Pad with VB.Net

Fernando Petre | ALTEN

Brand: CATIA
#Tips&Tricks



Simulation and its Validation of the Injection Stretch Blow Molding Process of Containers in Consumer Packaged Goods Industry

Oswald Valtiner | ALPLA Werke A. Lehner GmbH & Co KG

Brand: SIMULIA
#Innovation #Structural Mechanics/FEM



On the Road to Serial Production of Additive Manufacturing - How to Form a Business Case for Additive Manufacturing using Design and Process Opportunities

Jochen Looek | Fraunhofer IAPT

Brand: SIMULIA
#Innovation #Structural Mechanics/FEM



WRAP UP & VISIT OUR EXPO HALL



Determination of the Design Loads for Thruster Drives Operating in Ice

Thomas Rosenlöcher | TU Dresden

Brand: SIMULIA
#Best Practices # Structural Mechanics/FEM #Simpack



Cloud Computing – Simulation Credits Pay per Minute with the 3DEXPERIENCE Platform

Peter Straetemans | Technia GmbH

Brand: SIMULIA, CATIA
#Best Practices #3DEXPERIENCE



Simulation Update Flow Driven Generative Design Too

Jens Iseler | Dassault Systèmes



LIVE STUDIO

Conference Opening | Chris Brow | Moderator



WELCOME NOTE: SOLIDWORKS Executive | Thomas Maiti | Dassault Systèmes



KEYNOTE: Safe Environment – Simulation Solution to mitigate risks of airborne contamination | Christian Barthel | Dassault Systèmes



LIVE STUDIO DAY 2

BREAKOUT STUDIO DAY 2

Model Based Systems Engineering

SIMULIA Fluids

Creative Design

SOLIDWORKS

How 3DEXPERIENCE Accelerates StartUps

Daniel Münch | Rehmus GmbH

Brand: All
#Best Practices #3DEXPERIENCE



Drag Reduction by Active Flow Control in CFD

Max Tanneberger | FKFS

Brand: SIMULIA
#Best Practices #Fluids



Design Thinking with 3DEXPERIENCE Platform - A Game Changer for Design Studios

Thomas Balle | Dassault Systèmes

Brand: CATIA
#Innovation #Creative Design



xCAD Collaboration with SOLIDWORKS and CATIA Electrical

Axelle Sery & Thomas Maiti | Dassault Systèmes

Brand: SOLIDWORKS
#Fluids #Innovation #Electromagnetism
#3DEXPERIENCE WORKS



Developing & Validating the Product Experience of a Brake-by-Wire Pedal System using the 3DEXPERIENCE Platform

Martin Düsing | HELLA

Brand: CATIA
#Best Practices #Dymola



Successfull Planning, Deployment and Application of MBSE using CATIA Systems and 3DEXPERIENCE

Sven Kleiner | em engineering methods AG & Martin Neff | Dassault Systèmes

Brand: CATIA
#Model Based System Engineering
#Best Practices



A Holistic and CAD Enabled Approach to HVAC Design: Using Simulation to Optimize Noise Comfort and Defrost Performance

Jan Biermann | BMW AG

Brand: SIMULIA
#Best Practices #Fluids



CATIA Creative Design - Cabin & Monument Design for the Aurospace Industry

Felix Rockel | Dassault Systèmes

Brand: CATIA
#Best Practices #Creative Design



Plan - Develop - Release - 3DEXPERIENCE










Michael Sterns | Dassault Systèmes

Brand: SOLIDWORKS
#Best Practices #3DEXPERIENCE WORKS



LIVE STUDIO DAY 2

BREAKOUT STUDIO DAY 2

	Cloud & PowerBy	3DEXPERIENCE Platform Enterprise Collaboration	Creative Design	SOLIDWORKS
<p>Electrified Aircraft Propulsion on the 3DEXPERIENCE Platform Michael Sielemann Modelon GmbH</p> <p>Brand: CATIA #Best Practices #Model Based System Engineering #Dymola</p> 	<p>A Collaborative Work Experience: Working Inside the Cloud with International Project Partners Jacob Kötter FFT Production Systems Ltd</p> <p>Brand: CATIA #Best Practices #3DEXPERIENCE</p> 		<p>CATIA 3DEXPERIENCE - Product Experience for Advanced Use Cases in Design & Engineering Ugo Barba Lata Dassault Systèmes</p> <p>Brand: CATIA #Best Practices #Creative Design</p> 	<p>WHAT'S NEW SOLIDWORKS 2021 and Introduction of Browse-based CAD on the 3DEXPERIENCE Platform Andreas Spieler Dassault Systèmes</p> <p>Brand: SOLIDWORKS #3DEXPERIENCE WORKS #Tips&Tricks</p> 
<p>From Zero to Hero in MBSE in 10 Weeks Martin Neff Dassault Systèmes, Tino Krüger Accenture</p> <p>Brand: CATIA #3DEXPERIENCE #Tips&Tricks #Model Based System Engineering</p> 	<p>Scalable, Mobile and Save – CATIA Worker Virtualizes Johannes Steinemann encad consulting GmbH</p> <p>Brand: CATIA #Best Practices #3DEXPERIENCE</p> 	<p>How to Integrate 3DEXPERIENCE on the Cloud with Enterprise Systems Christian Uhde CENIT AG</p> <p>Brand: ENOVIA/EXALEAD, CATIA, SOLIDWORKS #3DEXPERIENCE #Innovation</p> 	<p>Substance Materials Boost Creativity and Flexibility Pierre Maheut Adobe Inc.</p> <p>Brand: CATIA #Best Practices #Creative Design #3DEXPERIENCE</p> 	<p>Concurrent CFD solutions for SOLIDWORKS Customers Andreas Klumpp Dassault Systèmes</p> <p>Brand: SOLIDWORKS #Tips&Tricks #Fluids #What's New #3DEXPERIENCE WORKS</p> 

LIVE STUDIO DAY 2

BREAKOUT STUDIO DAY 2

Cloud & PowerBy

3DEXPERIENCE Platform Enterprise Collaboration

Creative Design

SOLIDWORKS

Dassault Systèmes's Future Strategy of Model Based Systems Engineering

Gauthier Fanmuy | Dassault Systèmes

Brand: CATIA

#Model Based System Engineering #What's new



PMI creation in Catia V5 - Managed via PowerBy in 3DEXPERIENCE

Michael Röhl | encad consulting GmbH

Brand: CATIA

#Best Practices #3DEXPERIENCE



EPLAN, 3DEXPERIENCE and SAP - Seamless Integration of ECAD Data from Development to Production

Arnd Paulfeuerborn | EPLAN Software & Service GmbH & Co. KG
Nitin Tawari | CIDEON Software & Services GmbH & Co. KG

Brand: ENOVIA/EXALEAD

#Innovation #3DEXPERIENCE



Visualize Light as Good as Reality with DELTAGEN

Shadi Khair | Dassault Systèmes

Brand: CATIA

Tips&Tricks #Creative Design



Digital Equipment Continuity - Why SOLIDWORKS Industrial Equipment Makers should adopt the 3DEXPERIENCE Platform?

Yves Manigault | Dassault Systèmes

Brand: SOLIDWORKS

#Innovation #3DEXPERIENCE WORKS



Coupling Cameo Systems Modeler and Dymola for Elevator System Simulation

Giuliano Fontanella | Schindler Aufzüge AG

Brand: CATIA

#Best Practices #Model Based System Engineering #Dymola



3D Shape Pattern Creator and Knowledgeware for Advanced Mechanical Engineering Automation on the Cloud

Peter Stuehn & Serge Isambert | Dassault Systèmes

Brand: CATIA

#3DEXPERIENCE #What's New



3DEXPERIENCE-SAP Integration: Connecting Worlds with smartPLM

Oliver Giebel & Karsten Horn | CENIT AG

Brand: ENOVIA/EXALEAD

#Best Practices #3DEXPERIENCE



Design Freedom with Web-Browser Apps in the New Role "3D Shape Designer"

Aude Massoni & François Daudet | Dassault Systèmes














Brand: CATIA

#Innovation #Creative Design



LIVE STUDIO DAY 2

BREAKOUT STUDIO DAY 2

	Model Based Systems Engineering	Optimization on 3DEXPERIENCE Platform	Creative Design	Modeling & Simulation Digital Thread
<p>The 3DEXPERIENCE Platform Explained on a Medium-Sized SOLIDWORKS Customer Manufacturing Garden Tools Thomas Maiti & Philipp Böhm Dassault Systèmes</p> <p>Brand: SOLIDWORKS #Best Practices #3DEXPERIENCE WORKS</p> 	<p>Model Based System Engineering in Practice – an Aerospace User Case Fabian Lesch, Christoph Neuböck & Robert Duy PRIME aerostructures GmbH</p> <p>Brand: CATIA, SIMULIA #Best Practices #Model Based System Engineering</p> 	<p>Simulation-Driven-Design in the Automotive Industry: Optimization of a Lower Control Arm Daniel Vallicotti CENIT AG</p> <p>Brand: SIMULIA #Best Practices #3DEXPERIENCE</p> 	<p>Innovative Pattern Design with CATIA xGenerative Design Edouard Sutre Dassault Systèmes</p> <p>Brand: CATIA #Best Practices #Creative Design</p> 	<p>SMILE – Universal Modeling of Physical Models Bastian Näser BMW Group</p> <p>Brand: SIMULIA, CATIA #Best Practices</p> 
<p>What does the 3DEXPERIENCE Platform mean for CEOs, CIOs and CTOs and their Companies? Rainer Hofman & Thomas Maiti Dassault Systèmes</p> <p>Brand: SOLIDWORKS #Innovation #3DEXPERIENCE WORKS</p> 	<p>Digital Continuity in Systems Engineering with End-to-End Systems Traceability Thorsten Gerke Dassault Systèmes</p> <p>Brand: CATIA #Model Based System Engineering #Best Practices</p> 	<p>Optimization of a Multibody System Using the 3DEXPERIENCE Platform Sven Reinstädler CENIT AG</p> <p>Brand: SIMULIA #Best Practices #3DEXPERIENCE #Multibody System Simulation</p> 	<p>The 3DEXPERIENCE Platform for Product Design at HAW Hamburg University Prof. Jan Neuhöfer HAW Hamburg & Felix Rockel Dassault Systèmes</p> <p>Brand: CATIA #Best Practices #Creative Design #3DEXPERIENCE</p> 	<p>Digital Thread - Back Bone for Effective AI Driven Product Innovation and Development Naveen Mehata Kondamudi Tata Consultancy Services</p> <p>Brand: SIMULIA, CATIA #Best Practices</p> 
<p>Wrap Up</p> 	<p>Developing Cyber Physical Systems with SysML Aurelijus Morkevicius Dassault Systèmes</p> <p>Brand: CATIA, #Model Based System Engineering #Tips&Tricks</p> 	<p>GDE with 3DEXPERIENCE - A new Way for Product Development - 3DEXPERIENCE Function Driven Generative Design Zenhua Dai Technia GmbH</p> <p>Brand: SIMULIA, CATIA #Best Practices #3DEXPERIENCE</p> 	<p>3DEXPERIENCE CATIA R2021x - What's New CREATIVE DESIGN Aude Massoni & Franck Colas Dassault Systèmes</p> <p>Brand: CATIA #3DEXPERIENCE #What's New #Creative Design</p> 