

Thursday, 20 June 2019

11.35am | B7
AM Enabled Optimisation



Sasi Sathambaram
Dassault Systèmes
SOLIDWORKS
Leveraging Simulation to
Optimize Design for 3D
Printing



11.55am | B7
AM Enabled Optimisation



Akshay Narasimhan
Lattice Optimization and
Process Simulation of a
Turbine Blade



11.35am | H7
Material
Characterisation



Bernd Crouse
Digital Prediction of
Porosity and Permeability
Variation of Unconsolidated
Sands Caused by Over-
burden Pressure



11.55am | H7
Material
Characterisation



Ross McLendon
Calibration of a
Phenomenological Foam
Material Model from
Microscale Simulation



12.15pm | G7
Optimisation –
Business Issues



Alex Van Der Velden
A Platform for Physical
Product Performance
Trade-offs



DASSAULT
SYSTEMES

SIMULIA

Tuesday, 18 June 2019

Dassault Systèmes SIMULIA is delighted to be the Platinum Sponsor at the NAFEMS World Congress 2019. We have an experienced team of simulation specialists at the event and we hope you have a chance to connect with them at our booth and listen to their presentations.

9.00am | P1
Plenary Session



Subham Sett
Driving Decisions and
Discovery with Modeling
and Simulation



11.25am | H1
Particle Methods 1



Ritwick Roy
Simulating Airbag
Deployment Using Lumped
Kinetic Molecular Method



12.05pm | F1 CAE in
the Design Process 1



Thomas Reimer
A Study of the Reduced
Model of a Battery Cell for
Structural Analysis



2.00pm | A2 AR & VR
for Simulation



Guillaume Donval
Bringing Simulation to Life
with Immersive Virtuality



4.20pm | J3
Acoustics / NVH 1



Sivapalan Senthooran
A Computational Solution
to Evaluate and Improve
Wind Noise Generated by
Sensors of Autonomous
Vehicles Early in the Design
Process



4.40pm | D3
CFD - HVAC



Charles Luzzato
The Aero-Acoustic Design
and Optimization of a Ground
Transportation HVAC System
Using Lattice Boltzmann
Methods



6.15pm | K4
Electromagnetics 2

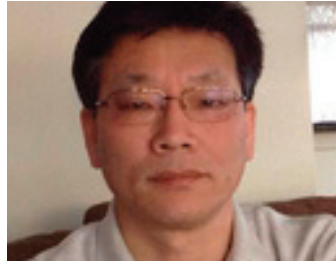


Marc Rutschlin
Design of 5G mm-Wave
Compatible Covers for High
End Mobile Phones



Wednesday, 19 June 2019

11.00am | E5
CAE in the
Design Process 2



Yangwook Choi
Design Guide of the Vehicle
Structural Components in
the Concept Design Phase
for Crashworthiness



11.00am | K5
Simulation for Electric
Vehicles 1



Alex Van der Velden
Design and Simulation of
an Inverter Power Module
for an Electric Vehicle



11.20am | K5
Simulation for Electric
Vehicles 1



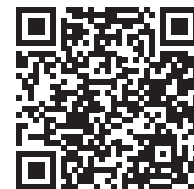
Thomas Reimer
Electric Drive Noise and
Vibration Analysis



11.40am | K5
Simulation for Electric
Vehicles 1



Wen-Jun He
Optimized Motor Design
Integrating Electromagnetic
and Stress Simulation



1.20pm
Sponsor A Dassault
Systèmes SIMULIA



Biswanath Nandi
Ensure Tire Performance
in All Conditions with High
Fidelity Simulations



3.25pm
Sponsor E Dassault
Systèmes SIMULIA



Marc Rutschlin
Experience Transformation
in All-Physics and All-
Scale Design: Digital
Transformation in
Connected Mobile Device
Design



3.25pm
Sponsor E Dassault
Systèmes SIMULIA



Jonathan Oakley
Experience Transformation
in All-Physics and All-
Scale Design: Driving
Innovation in Structural
Simulation through the
3DEXPERIENCE Platform



3.25pm
Sponsor E Dassault
Systèmes SIMULIA



Bernd Crouse
Experience Transformation
in All-Physics and All-Scale
Design: High Performance
CFD Analysis in your
Browser



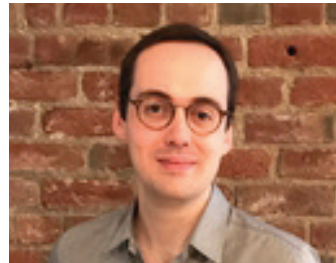
11.40am | J5
AM Process Simulation



Akshay Narasimhan
Predicting Additive
Manufacturing Build
Cracks Using XFEM



1.20pm
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Systèmes SIMULIA



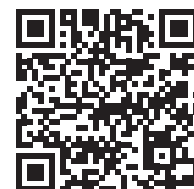
Adrien Mann
Balancing Vehicle
Cabin Experiences and
Performance with
Simulation-Driven Design



1.20pm
Sponsor A Dassault
Systèmes SIMULIA



Charles Luzzato
VTOL Digital Design for the
Personal Air Transportation
Revolution



1.20pm
Sponsor A Dassault
Systèmes SIMULIA



Marc Rutschlin
Ensuring 5G Connectivity
Experiences with Integrated
Antenna Design



3.25pm
Sponsor E Dassault
Systèmes SIMULIA



Thomas Reimer
Experience Transformation
in All-Physics and All-Scale
Design: High Fidelity
Multibody System Simulation



3.30pm | F6
Methods



Vladimir Belsky
A Novel End-to-End Solution
for Solving Super Large
Structural Simulation
Problems

