



solidThinking®  
**CONVERGE 2016**

September 20 – 21 | Essen, Germany

A NEW GENERATION OF CONFERENCES –  
EXPLORING THE INTERSECTION OF DESIGN & TECHNOLOGY

[www.converge2016.com](http://www.converge2016.com)

*“We are seeking ways to accelerate the beautiful things that happen when right brain, left brain, art, science, form, function, design, engineering, and manufacturing are propelling upward in concert.”*

**JIM SCAPA, CEO & President, Altair**

## EXPLORING THE INTERSECTION OF DESIGN AND TECHNOLOGY

### The European CONVERGE 2016 offers:

- **INSPIRING PRESENTATIONS** of renowned companies such as:

Together  
ahead. **RUAG**

**PHILIPS**

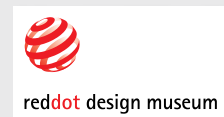
**ALSTOM**

**APWORKS**  
by Airbus Group

**indigraf**

and many more

- **FOUR HIGH LEVEL MASTER CLASSES** offering insights on:
  - How to start an innovative business – Leverage crowdfunding and simulation driven innovation
  - How to design for additive manufacturing – Convert freedom into added value
  - How to face design reactivity challenge – Master the tools for speed and creativity
  - How to design casted products – Early and quick process simulation
- **NETWORKING OPPORTUNITIES** with design and engineering experts.
- **AN INDUSTRY EXHIBITION** with booths and exhibition pieces from: EOS, voxeljet, ...
- **SOCIAL GATHERINGS** during breaks and the evening event at the **RED DOT DESIGN MUSEUM**
- **A DESIGN EXHIBITION AT THE RED DOT DESIGN MUSEUM** (SEPT. 20 – OCT 04 2016)  
with exhibition pieces from: **STEVE McGUGAN, THOMAS LIEBE, NEVEN MAJIC** and many more



## WHO SHOULD ATTEND

Designers, Engineers, Architects, Product and Experience Creators who want to find advantage from the Convergence of art and science, design and technology. People who believe that there is a bright bold future for humanity enabled by the symbiosis of human intellect and creativity with the very best in design and manufacturing technology, and feel compelled to help their organizations bring that future to reality.

**PLEASE REGISTER NOW!** <http://event.converge2016.com/europe>

## SPEAKERS

**Prof. PETER ZEC**, Initiator, CEO Red Dot Design Award | **IL HOON ROH**, Artist / Architect, Studio Il Hoon Ro

**RAFA CORELL**, CEO, Indigraf | **FRANCO CIMATTI**, Head of Vehicle Concepts and Pre-development, Ferrari

**FRANCK MOURIAUX**, General Manager Structures, RUAG Space | **TURI CACCIATORE**, Designer, Turi Cacciatore

**DANIEL SCHNEIDER**, Technical Sales Manager, Airbus APWORKS GmbH | **SALOMÉ GALJAARD**, Senior Designer, ARUP

**KEVIN SHINN**, Vice President Industrial Design, Altair | **PETER REUTER**, Director Industrial Evolution

**FRANK GIESE**, Founder, Kraftraumdesign | **IRMGARD LOCHNER**, Professor & consultant University of Applied Sciences of Biberach

**JELLE FERINGA**, CTO, ODICO Formwork Robotics | **MORITZ DOERSTELMANN**, Research Associate, Stuttgart University

**VALENTIN KOSLOWSKI**, Research Associate, Stuttgart University | **THOMAS LIEBE**, Founder, AD Rem Design

**JUAN MANUEL ROMERO**, Calculation Lead Engineer, Alstom Transport Spain | ... and more

# CONVERGE 2016 | Schedule | Day 1 | Tuesday, September 20, 2016

09-10 h	<b>Registration and Welcome Coffee</b>	
10 – 11.20 h Plenary Session 1	<b>Welcome</b>   James R. Scapa, Chairman and CEO, Altair	
	<b>Keynote   In Search of Good Design and Innovation Driven by Technology and New Materials</b>   Prof. Peter Zec, Initiator & CEO Red Dot Design Awards	
	<b>Functional Architectural Sculpture</b>   Il Hoon Roh, Artist / Architect	
11.20-11.40 h	<b>Coffee break</b>	
11.40 – 13.20 h Plenary Session 2	<b>Inspiring the Innovators</b>   James Dagg, CTO Altair	
	<b>Robotics are Revolutionising the Construction Industry – Notes from the Field</b>   Jelle Feringa, CTO, ODICO Formwork Robotics	
	<b>Designing APWorks' Light Rider – How the first 3D-printed Motorcycle Came to Life</b>   Daniel Schneider, Technical Sales Manager, Airbus APWorks	
	<b>Sponsor Presentation</b>   Martin Steuer, Business Development Executive, EOS	
13.20-14.20 h	<b>Lunch break</b>	
14.20 – 16.20 h Plenary Session 3	<b>Sponsor Presentation</b>   Stephan Gillich, Director HPC and Workstation EMEA, INTEL	
	<b>Sponsor Presentation</b>   Microsoft Azure	
	<b>We Have the Tools, but Let's not Lose Sight of the Knowledge</b>   Rafa Corell, CEO, Indigraf	
	<b>Making a Difference with Design at Philips</b>   Arjen Benders, Design Director, Philips & Jens Andersson, Design Consultant Male Grooming, Philips	
	<b>Creative Bridges</b>   Turi Cacciatore, Designer/Concept Artist, Turi Cacciatore	
16.20-16.40 h	<b>Coffee break</b>	
16.40 – 18.10 h Master Classes	<b>Class 1: How to Design for Additive Manufacturing – Convert Freedom into Added Value</b>	<b>Class 2: How to Face Design Reactivity Challenge – Master the Tools for Speed and Creativity</b>
	Florian Krause, Airbus APWorks	<b>3D Printing is More than the System” – Process, System, Material</b>
	Alejandro Cervantes Herrera, EOS	
Felix Radisch, Application Engineer, solidThinking	<b>Design Hiking</b>   Thomas Liebe, Founder, AD Rem Design	
		<b>Designers Challenges in Sme-industry</b>   Ari Salonen, Founder, Fokus Design
18.10 – 18.40 h	<b>Break</b>	
18.40 – 19.40 h	Tour of the Red Dot Design Museum	
19.40 – 22.40 h	Evening Event & Dinner at the Red Dot Design Museum	

## CONVERGE 2016 | Schedule | Day 2 | Wednesday, September 21, 2016

08 – 09 h	<b>Registration and Welcome Coffee</b>	
09.00 – 11.20 h <b>Plenary Session 4: Industrial Session</b>	<b>Opening Day 2</b>	
	<b>Bridging the Gap between Design and Development – Challenge Turned Passion  </b> Kevin Shinn, VP Industrial Design, Thinklabs	
	<b>Keynote   Disruptive Thinking in Powertrain Concepts – the Ferrari FF  </b> Franco Cimatti, Head of Vehicle Concepts and Pre-development, Ferrari	
	<b>Space 4.0 or the Next Paradigm for the Space Industry  </b> Franck Mouriaux, General Manager Structures, RUAG	
<b>Optimization of Railway Bolster Bracket for Antiroll Bar  </b> Juan Manuel Romero, Calculation Lead Engineer, Alstom Transport Spain		
11.20 – 11.40 h	<b>Coffee break</b>	
11.40 – 13.40 h <b>Plenary Session 5: Architecture Session</b>	<b>Design Process Creating Structural Elements 'Printed' in Metal  </b> Salomé Galjaard, Product Designer, ARUP	
	<b>Keynote   Modern Architecture – Design Process, Tools and Technology  </b> Neb Erakovic, Director Structural Design, CH2Mmace	
	<b>Biomimetically Inspired Topology Optimization  </b> Irmgard Lochner, Professor and consultant, University of Applied Sciences of Biberach	
	<b>Biomimetic Design Strategies for Architectural Composites  </b> Moritz Dörstelmann, Research Associate, ICD & Valentin Koslowski, Research Associate, ITKE, University of Stuttgart	
13.40 – 14.40 h	<b>Lunch break</b>	
14.40 – 15.40 h <b>Master Classes</b>	<b>Class 3: How to Start an Innovative Business – Leverage Crowdfunding and Simulation Driven Innovation</b>	<b>Class 4: How to Design Casted Products – Early and Quick Process Simulation</b>
	<b>Using A Crowdfunding Tool for a Start-Up  </b> David Suriol, Co-Ceo/Business, Vortex Bladeless	<b>Can we Cast the Impossible? – Fast and Convenient Flow Simulation  </b> Kevin Smith, Senior Partner, Digital Manufacturing Technologies Ltd
	<b>Seeking fort Vortex Induced Vibrations with Altair  </b> José Viyeira, R&D, Project Engineer, Vortex Bladeless	<b>Inspire &amp; Click2Cast – Merging Bionic Design with Casting Simulation  </b> Felix Radisch, Application Engineer, solidThinking
15:40 h	End of Conference	
15.40 – 17.40 h	Tour of the coal mine – Monument Path "Living history and moving present" – Guided tour in English through the originally preserved above ground facilities. Visitors experience what it meant to be working at the once most efficient coal mine in the world and Europe's largest coke plant.	