



solidThinking®
CONVERGE 2016

September 20 – 21 | Essen, Germany

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

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:



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	Registration and Welcome Coffee	
10-11.30 h Plenary Session 1	Welcome James R. Scapa, Chairman and CEO, Altair	
	Keynote In Search of Good Design and Innovation Driven by Technology and New Materials Prof. Peter Zec, Initiator & CEO Red Dot Design Awards	
	Functional Architectural Sculpture Il Hoon Roh, Artist / Architect	
11.30 - 12 h	Coffee break	
12 - 13 h Plenary Session 2	Inspiring the Innovators James Dagg, CTO Altair	
	Robotics are revolutionising the construction industry - notes from the field Jelle Feringa, CTO, ODICO Formwork Robotics	
	Designing APWorks' Light Rider - How the first 3D-printed motorcycle came to life Daniel Schneider, Technical Sales Manager, Airbus APWorks	
	Sponsor Presentation Martin Steuer, Business Development Executive, EOS	
13 - 14 h	Lunch break	
14 -16 h Plenary Session 3	Sponsor Presentation Stephan Gillich, Director HPC and Workstation EMEA, INTEL	
	Sponsor Presentation TBD, Microsoft	
	We have the tools, but let's not lose sight of the knowledge Rafa Corell, CEO, Indigraf	
	Making a difference with design at Philips Arjen Benders, Design Director, Philips	
Creative bridges Turi Cacciatore, Designer/Concept Artist		
16 - 16.30 h	Coffee break	
16.30 - 18 h Masterclasses	Class 1: How to design for additive manufacturing - Convert freedom into added value	Class 2: How to face design reactivity challenge - Master the tools for speed and creativity
	Florian Krause, Airbus APWorks	3D Printing is more than the System" - Process, System, Material
	Alejandro Cervantes Herrera, EOS	
Felix Christopher Radisch, solidThinking		
From a Sketch to perfect Free-forms Frank Giese, Founder, Krautraumdesign		
Design Hiking Thomas Liebe, Founder, AD Rem Design		
Designers challenges in sme-industry Ari Salonen, Founder, Fokus Design		
18 - 19 h	Break	
19-20h	Visit of the Red Dot Design Museum	
20h	Evening Event & Dinner at the Red Dot Design Museum	

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

08 – 09 h	Registration and Welcome Coffee	
09 – 11 h Plenary Session 4: Industrial Session	Opening Day 2	
	Bridging the gap between design and development Kevin Shinn, VP Industrial Design, ThinkLabs	
	Keynote Disruptive Thinking in Powertrain Concepts – the Ferrari FF Franco Cimatti, Head of Vehicle Concepts and Pre-development, Ferrari	
	Space 4.0 or the next paradigm for the space industry Franck Mouriaux, General Manager Structures, RUAG	
	Optimization of railway bolster bracket for antiroll bar Juan Manuel Romero, Calculation Lead Engineer, Alstom Transport Spain	
	Coffee break	
11 – 13 h Plenary Session 5: Architecture Session	Design process creating structural elements 'printed' in metal Salomé Galjaard, Product Designer, ARUP	
	Keynote Modern Architecture – Design Process, Tools and Technology Neb Erakovic, Director Structural Design, CH2Mmace	
	Biomimetically inspired topology optimization Irmgard Lochner, Professor and consultant, University of Applied Sciences of Biberach	
	Biomimetic design strategies for architectural composites Moritz Dörstelmann, Research Associate, ICD University of Stuttgart & Valentin Koslowski, Research Associate, ITKE, University of Stuttgart	
13 – 14.30 h	Lunch break	
14.30 – 15.30 h Masterclasses	Class 3: How to start an innovative business – Leverage crowdfunding and simulation driven innovation	Class 4: How to design casted products – Early and quick process simulation
	Seeking for Vortex Induced Vibrations with Altair David Suriol, Co-Ceo/Business, Vortex Bladeless	Can we cast the impossible? – Fast and convenient Flow simulation Kevin Smith, Senior Partner, Digital Manufacturing Technologies Ltd
	Using a crowdfunding tool for a Start Up José Vиейeira, Vortex Bladeless	Casting Simulation with Click2Cast Felix Christopher Radisch solidThinking
15:45 h	Closing	
16:15 h	Visit 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 coking plant.	