



@formnext

DAY 1 | TUESDAY | 19TH NOVEMBER

STAGE 2	
KEYNOTE HOUR	
10:00-10:30	ADDITIVE MANUFACTURING IN INDUSTRIAL PRODUCTION Maximilian Meixlsperger Head of Additive Manufacturing Metal BMW Group
10:30-11:00	HOW THE RAIL INDUSTRY CAN BENEFIT FROM ADDITIVE MANUFACTURING André Bialoscek Head of Vehicle Physical Integration Hennigsdorf Bombardier
11:00-11:15	BREAK
BUSINESS AND ECONOMIC CONSIDERATIONS	
11:15-11:45	2019 3D PRINTING MARKET SIZING AND FORECASTING Chris Connery VP Global Analysis CONTEXT
11:45-12:15	APPROACH FOR ADDITIVE MANUFACTURING DEVELOPMENT AND IMPLEMENTATION AT NORTHROP GRUMMAN Eric Barnes Fellow Northrop Grumman
12:15-13:15	LUNCH HOUR
13:15-13:45	TRAINING IN ADDITIVE MANUFACTURING Matthias Schneck Research Assistant Fraunhofer Research Institution for Casting, Composite and Processing Technology IGCV
13:45-14:15	SURVIVING DISRUPTION IN ADDITIVE MANUFACTURING - CHOOSING THE "BEST" TECHNOLOGY Wilderich Heising Partner The Boston Consulting Group
14:15-14:30	BREAK
14:30-15:00	LEGAL IMPLICATIONS OF TECHNICAL STANDARDS - CORE PROCEEDINGS Klaus M. Brisch Partner and Global Head of Technology DWF
15:00-15:30	COMPETING BUSINESS MODELS AND STRATEGIES IN ADDITIVE MANUFACTURING Gerhard Gleich Managing Director and Head of Germany and Valentin zur Strassen Analyst Stephens Europe
15:30-16:00	STARTUP EVOLUTION, ACQUISITION, AND WHAT IT MEANS FOR ADDITIVE MANUFACTURING'S FUTURE Dayton T. Horvath Principal NewCap Partners Inc.



@formnext

DAY 2 | WEDNESDAY | 20TH NOVEMBER

STAGE 2

KEYNOTE HOUR SPONSORED BY **Carbon**

10:00-11:00 **CRACKING THE CODE: DIGITAL MANUFACTURING AT SCALE**
Garrett Getter | Product Manager of Saddles, Grips and Tapes | Specialized Bicycle Components Inc. and **Philip DeSimone** | Chief Customer Officer | Carbon Inc.

11:00-11:15 **BREAK**

MATERIALS AND PROCESSES

11:15-11:45 **DISPERSION-BASED INCONEL-STEEL HYBRID CHARACTERIZED BY CROSS-SECTIONAL MICRO X-RAY DIFFRACTION**
Sabine Bodner | PhD Student | Montanuniversität Leoben

11:45-12:15 **ADVANCES IN HIGH PRECISION LITHOGRAPHIC ADDITIVE MANUFACTURING WITH STAINLESS STEEL AND TITANIUM ALLOYS**
Carlo Burkhardt | Scientific Director | Institute for Precious and Technology Metals, Pforzheim University

12:15-13:15 **LUNCH HOUR SPONSORED BY **Carbon****

13:15-13:45 **THE PRESENT STATE AND FUTURE PROSPECTS OF LARGE SCALE ALUMINUM ADDITIVE MANUFACTURE**
Vincent Uzoma Nwankpa | PhD Researcher | Ecole Centrale de Nantes

13:45-14:15 **UPDATE ON FORGED SPECIAL STEELS, REMELTING AND POWDER METALLURGY**
Benedikt Blitz | Partner and Managing Director | SMR Premium GmbH

14:15-14:30 **BREAK**

14:30-15:00 **COMBINING POWDER CHARACTERISATION METHODS AND NUMERICAL SIMULATIONS TO OPTIMIZE PRINTING PARAMETERS**
Geoffroy Lumay | Associate Professor | University of Liege

15:00-15:30 **ANALYSIS AND OPTIMIZATION OF THE DIRECT POLYMER ADDITIVE TOOLING PROCESS CHAIN FOR THE PRODUCTION OF COMPLEX GEOMETRIES**
Gerret Lukas | Group Lead Additive Manufacturing Systems at the Machine Tool Laboratory (WZL) | RWTH Aachen University

15:30-16:00 **CFIP TECHNOLOGY: A NEW APPROACH FOR MANUFACTURING CONTINUOUS CARBON FIBRE REINFORCED STRUCTURES BY 3D PRINTING**
Marc Crescenti | Senior R&D Engineer | Eurecat



@formnext

DAY 3 | THURSDAY | 21ST NOVEMBER

STAGE 2

KEYNOTE HOUR

10:00-10:30	INDUSTRIAL CHALLENGES OF POLYMER AM MULTICOMPONENT PART PRODUCTION AT P&G DEVICES Franziska Kaut Process Engineer Polymer Technology P&G - Procter & Gamble
10:30-11:00	THE ADDITIVE RACE Christoph Hansen Head of Technical Development Sauber Engineering
11:00-11:15	BREAK

APPLIED RESEARCH

11:15-11:45	NITA ALLOY SPUTTERING TARGET BUILT BY SELECTED LASER MELTING FOR HARD DISC APPLICATIONS Cheng-Tse (Eric) Wu PhD Student University of Toronto
11:45-12:15	SENSOR INTEGRATION IN PLASTIC AND METAL AM PARTS BASED ON TWO INDUSTRIAL USE CASES Philipp Stoll Scientific Assistant inspire AG, icams
12:15-13:15	LUNCH HOUR
13:15-13:45	ANALYZING AM'S ULTRASOUND EMISSION TO MONITOR MANUFACTURING STABILITY Balthasar Fischer CEO XARION Laser Acoustics
13:45-14:15	USAGE OF SERVICE ROBOTICS IN ADDITIVE MANUFACTURING Pascal Becker Research Scientist FZI Forschungszentrum Informatik
14:15-14:30	BREAK
14:30-15:00	PROCESSABILITY STUDY AND PARAMETRIC OPTIMIZATION OF 100CR6 STEEL PRODUCED BY LASER POWDER BED FUSION Quentin Massard Additive Manufacturing Engineer and PhD Student ENISE - École Nationale d'Ingénieurs de Saint-Étienne
15:00-15:30	SCALABLE MACHINE CONCEPT FOR LASER POWDER BED FUSION Christian Tenbrock Head of Team Machine Technology - Laser Powder Bed Fusion Fraunhofer Institute for Laser Technology
15:30-16:00	INTEGRATING ADDITIVE MANUFACTURING TECHNOLOGIES IN EDUCATION Florian Finsterwalder Professor for Additive Manufacturing University of Applied Sciences Karlsruhe



@formnext

DAY 4 | FRIDAY | 22ND NOVEMBER

STAGE 2

KEYNOTE HOUR

10:00-10:30	3D PRINTING AT MIELE Pia Gausemeier Head of Strategic Production Technology and Head of Information Technology - Plant Bielefeld Miele & Cie
10:30-11:00	RACE TO INNOVATE: METAL ADDITIVE MANUFACTURING FOR LIGHTWEIGHT, HIGHLY COMPLEX RACE BOAT STRUCTURES Mark Chisnell Technology Coordinator INEOS TEAM UK
11:00-11:15	BREAK

FOR THE REMAINING CONFERENCE SESSIONS, PLEASE SEE STAGE 1 PROGRAM