CONFERENCE AGENDA

Parkhotel Schönbrunn | Vienna, Austria
06–10 March, 2017

CONVERGE
USER CONFERENCE
EUROPE 2017

TRAINING | LEARNING | NETWORKING

PRESENTATION SCHEDULE

WEDNESDAY 08 MARCH

07:00	**Registration Opens**
07:30–08:30	**Breakfast**
08:30–08:45	**WELCOME** | Kelly Senecal & Rainer Rothbauer | *Convergent Science*
08:45–09:25	**KEYNOTE | Multi-Physics Simulation is Just the Beginning in a Digital Industrial Enterprise** Andreas Lippert | *GE Power*
09:25–09:50	**Injector Flow and Near-Nozzle Eulerian Spray Simulations** Michele Battistoni | *University of Perugia*
09:50–10:15	**Spray Calibration and Combustion Simulation for Large Bore Engines Using CONVERGE** | Avnish Dhongde | *FEV*
10:15–10:30	**SPONSOR** | Gamma Technologies
10:30–11:00	**Break**
11:00–11:25	**Simulation of Diesel Spray Using an Improved Version of TKI-ECFM3Z** Jean-Baptiste Michel | *IFP Energies nouvelles*
11:25–11:50	**Implementation of a Spray Combustion Model and a Combustion Optimization System** | Ricardo Novella | *CMT-Motores Térmicos*
11:50–12:15	**Necessary Grid Resolution and Turbulence-Chemistry Interaction Modeling** Corinna Netzer | *Brandenburg University of Technology Cottbus*
12:15–13:15	**Lunch**
13:15–13:40	**Predictive Urea Deposit Simulations with CONVERGE** Scott Drennan | *Convergent Science*
13:40–13:55	**SPONSOR** | SES-Tec
13:55–14:20	**Application of Particle Sectional Model for Soot Modeling in Diesel Engines** Rathinam Balamurugan | *Renault*
14:20–14:45	**Combustion Process Optimization for an EGR Only Offroad Diesel Engine** Federico Millo | *Politecnico di Torino*
14:45–15:15	**Break**
15:15–15:55	**KEYNOTE | High-Fidelity Simulations for Co-Optimization of Engines and Fuels & High Throughput Calculations on Supercomputers** Sibendu Som | *Argonne National Laboratory*
15:55–16:20	**Gas Turbine Combustor Modeling with CONVERGE** Daniel Lee | *Convergent Science*
16:20–16:35	**SPONSOR** | Rescale
16:35–17:00	**Large Eddy Simulation Modeling in CONVERGE** Eric Pomraning | *Convergent Science*

PRESENTATION SCHEDULE

THURSDAY 09 MARCH

07:00	**Registration**
07:30–08:30	**Breakfast**
08:30–08:45	**WELCOME BACK** | Robert Kaczmarek | *Convergent Science*
08:45–09:25	**KEYNOTE | Large Eddy Simulation for Internal Combustion Engines: State-of-the-Art and Trends** Christian Angelberger | *IFP Energies nouvelles*
09:25–09:50	**Modeling and Understanding Cycle-to-Cycle Variation Through Multi-Cycle LES**| Mohsen Mirzaeian | *Politecnico di Torino*
09:50–10:15	**Efficient Optimization for Engine Combustion Chamber Design** Clément Dumand | *Groupe PSA*
10:15–10:30	**SPONSOR** | BETA CAE Systems
10:30–11:00	**Break**
11:00–11:25	**Numerical Simulation of a Lean-Burn NG Engine Using a PaSR Combustion Model** | Lorenzo Bartolucci | *University of Rome Tor Vergata*
11:25–11:50	**SI Engine Simulation Using ECFM-ISSIM Model with CONVERGE 2.3** Stéphane Chevillard | *IFP Energies nouvelles*
11:50–12:15	**Evaluation of SI Combustion Models: Knock with EGR and Water Injection Effects** | Michele Battistoni | *University of Perugia*
12:15–13:15	**Lunch**
13:15–13:40	**Modeling Flows in Complex Moving Geometries of Pumps & Compressors** David Rowinski | *Convergent Science*
13:40–13:55	**SPONSOR** | Friendship Systems
13:55–14:20	**Methodology for Simulation of Engine Structure Temperature and Its Validation** | Aris Babajimopoulos | *Volvo Cars Corporation*
14:20–14:45	**Kinetic Modeling of SI Engine Combustion—Opportunities and Challenges** Max Mally | *RWTH Aachen University-Institute for Combustion Engines*
14:45–15:15	**Break**
15:15–15:40	**The Computational Chemistry Consortium and the Importance of Detailed Kinetics in Combustion Simulations |** Henry Curran | *Computational Chemistry Consortium*
15:40–15:55	**SPONSOR** | EnSight
15:55–16:20	**Approach of Reviving the Rotary Engine through the Use of Kerosene with the Help of CFD and Chemical Kinetic-Reaction Simulation** Felix Zahradnik | *Vienna University of Technology*
16:20–16:45	**New Features in CONVERGE Version 2.4 and a Sneak Peek at 3.0** Keith Richards | *Convergent Science*
16:45–17:00	**CLOSING** | Kelly Senecal | *Convergent Science*