CONFERENCE SCHEDULE – DAY ONE

Tuesday, 31 March | *All times listed in CEST*

13:00   **OPENING** | Rainer Rothbauer | Convergent Science

13:10   **KEYNOTE | The Use of Coupled 1D-3D Simulation in the Optimization of High-Performance SI Engines**
Vincenzo Bevilacqua | Porsche Engineering Services GmbH

13:40   **Aerodynamic Characterization of an SI Engine Using LES and EMD2D**
Stéphane Jay | IFP Energies nouvelles

14:00   **LES Simulations in a Lean SI Optical Engine Using Thickened Flame Model**
Jacopo Zembi | University of Perugia

14:20   **Development of a RANS Methodology for Gaseous Emission Simulation in SI Engines**
Max Mally | RWTH Aachen University - Institute for Combustion Engines

14:40   **Modeling Transient Heat Transfer in a GDI Engine Using a 3D-CHT Approach**
Adèle Poubeau | IFP Energies nouvelles

15:00   **SPONSOR** | HPE

15:15   Break

15:35   **Online Trivia Game**

15:40   **Update on C3 Mechanism Development**
Henry Curran | NUI Galway

16:00   **On Turbulent Jet Ignition: A Numerical Comparison With Standard Spark Plug in Lean Conditions**
Egidio Cassone | Polytechnic University of Bari

16:20   **Modelling of Combustion and Knock Onset Risk in a High Performance TJI Engine**
Andrea Bianco | POWERTECH Engineering

16:40   **HPC and Machine Learning – Accelerating Engine Design Process**
Opeoluwa Owoyele | Argonne National Laboratory

17:00   **Real Surface Effects on Fuel Injection for Automotive and Aerospace Applications**
Lorenzo Nocivelli | Argonne National Laboratory

17:20   **Numerical Assessment of Latest Generation SCR Systems Performance**
Andrea Bianco | POWERTECH Engineering

17:40   **Technical Achievements in Gas Turbines and Aftertreatment**
Scott Drennan | Convergent Science

18:00   **CLOSING** | Kelly Senecal | Convergent Science

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CONFERENCE SCHEDULE – DAY TWO

Wednesday, 01 April | *All times listed in CEST*

Time	Session
13:00	**Welcome**	Rainer Rothbauer	Convergent Science
13:10	**KEYNOTE	What is the Right Fuel?** Heinz Pitsch	RWTH Aachen University - Institute for Combustion Technology
13:40	**Numerical Investigation on Fuel Spray Characteristics in Ducted Fuel Injection** Andrea Piano	Politecnico di Torino
14:00	**LES Spray Studies for Improving RANS Diesel Combustion Simulations** Vincenzo Pezza	General Motors Global Propulsion Systems
14:20	**Analysis of Combustion and Emissions in an LD CI Engine Through CFD Analysis** Mirko Baratta	Politecnico di Torino
14:40	**Optimization of the Combustion Chamber Geometry for CI Engine Using MOGA** Ramazan Şener	Marmara University
15:00	**Modeling Cooling of Electric Motors in CONVERGE**	David Rowinski	Convergent Science
15:20	**Break**
15:35	**Online Trivia Game**
15:40	**Battery Pack Simulation in CONVERGE 3.0** Tristan Burton	Convergent Science
16:00	**Simulation and Optimization of the Flow Inside a Screw Compressor** James Willie	CVS Engineering GmbH
16:20	**Investigating the Sealing of a New Concept Rotary Engine**	Savvas Savvakis, Elias Nassiopoulos, Dimitrios Mertzis, Zissis Samaras	Aristotle University of Thessaloniki
16:40	**Modeling of Combustion in Direct-Injected CNG Engines** Abhishek Deshmukh	RWTH Aachen University - Institute for Combustion Technology
17:00	**An SGS Wrinkling Model for the TFM-AMR Approach in CONVERGE** Cédric Mehl	IFP Energies nouvelles
17:20	**Prediction and Assessment of Engine Knock Events Using the Resonance Theory** Corinna Netzer	Norwegian University of Science and Technology
17:40	**Soot Modelling Coupled with Flamelet-Based Spray Flame Simulations** José-Manuel Pastor	CMT-Motores Térmicos
18:00	**CONVERGE 3.0 Results and Looking Ahead to 3.1**	Keith Richards	Convergent Science
18:20	**Closing**	Kelly Senecal	Convergent Science

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