CONVERGE Application Workshop: Solutions for Low-Carbon Transportation

June 11, 2024 · Politecnico di Torino - Energy Center



AGENDA

| 9:00 | Registration and Welcome Coffee | 13:30 | Numerical Approaches for the Development of Carbon-Free IC Engines Riccardo Sola Politecnico di Torino |
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| 9:50 | Conference Opening & Welcome Remarks Kelly Senecal Convergent Science | 14:00 | Virtual Design of Low-Carbon Fuel Combustion Systems for a Large Bore Marine Engine |
| 10:00 | Ducted Fuel Injection Simulations: LES to RANS Transition to Speed up Low-Emission ICEs Development Andrea Bianco Gammatech Engineering Srl | | Matteo Luci Dumarey Automotive Italia S.p.A. |
| | | 14:30 | Exploring Hydrogen Low NOx (HYLON) Burner with Large Eddy Simulation Matteo D'Elia Convergent Science |
| 10:30 | Development of an Advanced Modeling Framework Based on the G-Equation Concept for Future SI Engine Combustion Systems Josep Gomez-Soriano University in Valencia - CMT | 15:00 | Networking Break |
| | | 15:30 | Simulating Hydrogen Storage Tank Filling With CONVERGE Jyothish Venkataramanan Convergent Science |
| 11:00 | Experimental and Numerical Analysis of Hydrogen Injection for Mixture Formation Investigation in an Internal Combustion Engine for Heavy-Duty Applications | 16:00 | Modeling Proton Exchange Membrane (PEM) Fuel Cells in CONVERGE Shenol Kyupeli Convergent Science |
| | Francesco Pucillo <i>Politecnico di Torino</i> | 16:30 | Closing Remarks Kelly Senecal Convergent Science |
| 11:30 | Virtual Concept Selection of H2 ICE Retrofit Kit Components Vincenzo Pezza <i>Dumarey Automotive Italia S.p.A.</i> | 17:00 | Technical Visits Dumarey Automotive Italia |
| | | 17:30 | Technical Visits Politecnico di Torino |
| 12:00 | Networking Lunch | 20:00 | Networking Dinner Società Canottieri Armida |
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