Welcome to our 'Latest Trends in Virtual Engine Development' Japan User Conference

Provisional programme

Friday 20 September 2024

12.00 pm	Arrival for Buffet Lunch Reception Area

	Presentations
13.00 pm	**Keynote address: Integrating ICE to solve future environmental problems** In a new world of net zero emission propulsion systems, ICE has a place alongside Battery Electric and Fuel Cell technology. Fuelled by hydrogen, ethanol, methanol, ammonia or synthetic E-Fuels, Internal Combustion Engines will play a vital decarbonisation role in applications including Hybrid vehicles and Motorcycles, Heavy Duty On- and Off-highway, Marine, Rail and Aerospace Chris Hopper, Managing Director, Realis Simulation Inc. Nick Tiney, Product Management Director, Realis Simulation Inc.
13.30 pm	**WAVE-RT - Real-time capabilities in 1D simulation** Arnold Werres, Project Engineer, FEV Europe GmbH
14.00 pm	**Driving efficiency through acoustic optimisation with WAVE and modeFRONTIER** Evgeniy Shapiro, Senior Product Manager Fluid Dynamics, Realis Simulation Ltd Danilo Di Stefano, Product Manager, ESTECO s.p.a
14.30 pm	**Constant velocity joint input condition prediction for vehicle driving** Mr Kanji Kita, Expert Engineer, Honda Motor Co. Ltd
15.00 pm	**Coffee Break**

15.15 pm	**Creating three-way-catalyst virtual twin based on measured drive cycle emissions** Vratislav Ondrak, IGNITE Product Manager, Realis Simulation s.r.o. Nick Tiney, Product Management Director, Realis Simulation Inc.
15.45 pm	**3D CFD coolant jacket simulation - User case study** Hino Motors, Ltd.
16.15 pm	**Optimizing ICE emissions: The role of oil consumption during transient events** Michal Brezina, Structural Mechanics Product Manager, Realis Simulation s.r.o.
16.45 pm	**What's new in 2024** Nick Tiney, Product Management Director, Realis Simulation Inc.
17.15 pm	**Summary and wrap up**

17.30 pm	Evening Buffet, Networking and Drinks Reception Reception Area
19.30 pm	Close