

AGENDA USA

Presentation Day: OCT 11, 2022 Seminar Day: OCT 12, 2022



DAY 1 - TUESDAY, OCTOBER 11 | Morning Session

8:00	REGISTRATION & COFFEE					
8:50	Opening Remarks & Welcome Address Matt Warner, GT Vice President of Operations Dimple Shah, GT President & CEO					
9:15	FEV North America Sumit Paul Model-based Assessment of Longitudinal ADAS Functions for Fuel Economy Improvement of Class 8 Long Haul Trucks					
9:40	KULR Will Walker Test and Analysis Driven Approach to Design of Safe and Reliable Battery Systems					
0:00	W	Gamma Technologies R e are Excited to Start to Reve		se!		
10:20	REFRESHMENTS & EXHIBITION					
	BATTERY	THERMAL MGMT.	ENGINE/FUEL CELL	ENGINE		
0:50	General Motors Yong Miao	Zoox Srinivasa Rao Vaddiraju	Enginuity Power Systems Philip Zoldak	Aramco Americas Praveen Kumar		
	Using GT-AutoLion for Li- ion Battery Aging Analysis	Innovative Vehicle Architecture - An Oppor- tunity to Design Systems from the Ground Up	Development of a Gas- eous Fueled Boosted Opposed-Piston Four Stroke (OP4S) Engine	Analysis-Led Exhaust Rebreathing Strategy Development for an Ultra-Low-NOx Heavy-Duty Gasoline Compression Ignition Engine		
11:15	EC Power Nathaniel Stanley Optimizing Operational Setpoints in a Thermally Modulated Battery	Emerson Commercial & Residential Solutions Daging Li GT-SUITE and its Application in CO2 Booster Rack Modeling	Aramco Americas Rafael Lago Sari Assessing Convention- al and Fuel Cell Based Powertrain Systems for Heavy Duty Commercial Transport	Aramco Services Company Christopher Whitney Development of Controls for a Gasoline Compres- sion Ignition Engine with GT-SUITE Tools		
1:40	Borg Warner Nithin Kondipati	Thermoanalytics Jon Juszkiewicz	Plug Power Phillip Schoch	ISUZU Yifan Wei		
	Battery Thermal Management Under Fast Charging Conditions	Cabin Comfort Simulation	Fuel Cell Modeling at the Core of PEMFC Develop- ment	Transient Model-based Calibration for Engine ECU Maps using a Big Scale Multi-objective Optimization Solver Running on the Cloud		
2:00	LUNCH					
2.00						



DAY 1 - TUESDAY, OCTOBER 11 | Afternoon Session

	COMPONENT THERMAL MANAGEMENT	HVAC/COMPRESSOR	MECHANICS	VEHICLE SYSTEM INTEGRATION		
:30	American Battery Solutions Vamsie Krishna Sampath Kumar	Stellantis Vivek Jairazbhoy	General Motors Hatem Orban	Ford TBA		
	GT-SUITE Model for Battery Pack Thermal / Controls Analysis	Development of a Real-Time Data Science Model of a Front End Heat Exchanger for Automotive Heat Pump Applications	Dynamic Analysis of a Multi-link Mechanism Variable Compression Engine in GT-SUITE	ТВА		
1:55	Gamma Technologies Joe Wimmer	Trane Technologies Joseph Ziolkowski	Eaton Nilesh Bagal	FEV North America Fnu Dhanraj		
	FE Electromagnetic Approach to eMotor Cooling	Vapor Injection Port Optimization for a Scroll Compressor	Use of Different GT-SUITE Components (Engine + VT + Hydraulics) in Engine Brake Product Develop- ment	Application of 48V Mild-Hybrid Technology for Meeting GHG and Low NOx Emission Regulations for MHD applications		
2:20	Echogen Power Systems Vamshi Avadhanula	Emerson Adam D'Amico	Cummins Inc. Arnab Chanda (presented	Mahle Powertrain Ziming Yan		
	Overview of GT-SUITE Modeling for CO2-based Pumped Thermal Energy Storage Systems	Numerical Prediction of Gas Pulsation in a Scroll Compressor Using 1-D Modeling	by Ashwin Henry) Dynamic Analysis Capability Development of Transfer Switch using GT-SUITE	Tailoring the High-Power Low-Voltage Hybrid System for Heavy-Duty Off-road Application		
:40	REFRESHMENTS & EXHIBITION					
8:20	CUMMINS INC. Shakti Saurabh An Engine Digital Twin for Air-handling Diagnostics using GT-POWER					
:40	GENERAL MOTORS Sowmya Jayaraman Integrated Thermal Simulation Methodology for ICE & Electric Vehicles					
:00	HANON SYSTEMS, LLC USA Steven Koester Performance Tool Automation					
:20	GAMMA TECHNOLOGIES Iakovos Papadimitriou, GT Chief Technology Officer GT v2023 Developments and Future Vision					
:00	RECEPTION					



DAY 2- WEDNESDAY, OCTOBER 12 | GT Seminar Sessions



Presentation Day - OCTOBER 11:

Technical presentations will be held over multiple half-day sessions. Check later for more detailed agenda information for the various presentation sessions.

Seminar Day - OCTOBER 12:

Learn how GT-SUITE solves unique challenges in a wide range of applications including full vehicle modeling, battery simulation, virtual calibration, and more!

Scan the QR code or click the link below to register for the event



https://www.gtisoft.com/event/gt-conference-2022-usa/

