



# GT CONFERENCE 2019

## The Largest Event in System Simulation

January 21-22, 2019

Pune, India

Novotel Pune

10+ Technical Presentations

Over 150 Participants

Preview GT-SUITE Version 2019

08:00

## REGISTRATION

08:45

Welcome and Opening Statement, Ramnik Singh, **GT**

Meeting Emerging Emissions Challenges Using System Simulation, Dr. Syed Wahiduzzaman, **GT**

Case study on 6 cylinder HDD application GT Power model build using FRM builder and running on HiL platform, Hitesh C., Mohak S. & Dr N. H. Walke, **ARAI**

System Level Vehicle Model Development of Light Heavy Duty Battery Electric Vehicle in GT-SUITE, Santosh P., Aishwarya S., **Isuzu Technical Center of America, Inc.**

**Vehicle Electrification** with GT-SUITE V2019 and **GT-DRIVE+** Vehicle Modeling Framework, **GT**

11:00

## REFRESHMENTS AND EXHIBITION

11:15

Performance Evaluation of 48V E-Compressor on a 2L Diesel Engine for Meeting Future BS 6 Emissions and CO2 Targets using 1-D Simulation Technique, Sagar C., Ashraf E., **FEV**

Boosted Gasoline Engine Concept for BSVI & Beyond, Prashantkumar B., Siddhartha K. and Sujeet V., **Garrett – Advancing Motion**

Case Study on Two-Stage Turbocharger and Dual Loop EGR Optimization for Advanced Combustion Engine using GT-POWER, Mohak S., Hitesh C., Dr N. H. Walke, **ARAI**

Upgrading of Naturally Aspirated Gasoline Engine Using Hybrid Turbocharging System, Rangarajan S., Venkat Rao G., Alain Lefebvre, **Renault-Nissan TBCI**

13:00

## LUNCH

14:15

Integration of Predictive Electrochemical Battery Model into a Virtual E-Vehicle, **GT**

A Detailed DOE Study for Concept Level Battery Electric Vehicle (BEV) Energy Dimensioning, Lakshmi N., Chandrakant D., Rajeev KR., Shreyas F., Anandam K., **Mahindra & Mahindra**

Cabin Modeling in GT-SUITE, Rahul C., **Mercedes Benz R&D India**

Diesel Engine Cooling System Performance Simulation using Integrated Cooling and Engine System Model in GT-SUITE, Pranita A. and Sandesh C., **Cummins**

Effect of cooling system layout arrangement and component sizing on under hood airflow distribution using COOL3D and GT-SUITE, Rahul N., Subhajit N. and Rishabh P. **Mahindra & Mahindra**

16:15

## REFRESHMENTS AND EXHIBITION

16:30

Design and Analysis with GT-SUITE V2019 Deployed Across the Enterprise, **GT**

Cold start priming analysis of Heavy Duty engines, Ranjit T., **Cummins**

Vision for V2019, Future of GT and Closing Remark- *Dr. Thomas Morel*, **GT**



# Tuesday, January 22 – Friday, January 25, 2019 @ Suzlon One-Earth

## FREE HALF-DAY SEMINARS

Attend two seminars in one day, Tuesday, January 22

AM

**xEV modeling with GT-DRIVE+**

**Integrating BS-VI and RDE** processes in the Development Cycle

**Optimization and HPC** Second Generation of Optimization and HPC in GT-SUITE

PM

**GT-AutoLion**, Multiphysics Electrochemistry Battery Modeling

Flow Generated **NVH** Intake, Exhaust, Compressor

**Thermal Management** for Conventional and Electric Vehicles

**Engine Mechanics** v2019 New Features

## TRAININGS

Training classes will be held Wednesday, January 23 – Friday, January 25

**Engine Modeling:** GT-POWER  
January 23-25

**Vehicle Modeling:** xEVs  
January 23-24

**Thermal Management Modeling** for Electrified Vehicles  
January 23-25



**Novotel Hotel (Jan 21<sup>st</sup>)**

Weikfield IT City Infopark, Survey No. 30/3,  
Ramwadi, Viman Nagar, Pune-411014

**Suzlon One Earth (Jan 22<sup>nd</sup>-25<sup>th</sup>)**

170/1-8, Keshav Nagar, Hadapsar,  
Pune, 411028

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