

# EVENT FORMAT

## Optimising Electric and Autonomous Vehicles

Ritz Carlton

– 29<sup>th</sup> August 2019, Thursday

Learn about New  
Technologies

Plenary Session – Trends and New  
Technologies

Acquire best  
practices

Track 1: Electric Drive

Track 2: Electronics  
Reliability

Connect with  
your peers

Networking Session /Demo Showcases

# AGENDA

8:00 AM to 9:00 AM Registration / Breakfast

## Plenary Session

9:00 AM to 9:20 AM Welcome

9:20 AM to 9:50 AM Transportation Trend

9:50 AM to 10:20 AM Autonomous vehicle – vision, trends and testing of AV today, use cases

10:20 AM to 10:40 AM **Tea Break / Room Transition**

## Breakout Track 1: Vehicle Electrification

*Increasing efficiency of e-Powertrain*

10:40 PM to 11:25 AM Design of Electric Motors

11:25 PM to 12:10 PM Design of Batteries for Hybrid and Electric Vehicles

1:10 PM to 1:55 PM Performance Engineering for vehicle electrification

1:55 PM to 2:40 PM Overcoming challenges in testing Electric Vehicle

## Breakout Track 2: Electronics Reliability

*Achieve quality complex products to market faster with seamless integration or design workflow*

Automated driving, a new challenge for Automotive

Improving design quality, facing the challenges of ISO26262

Measuring Thermal characteristics of semiconductor devices

Lifetime and Reliability of Power Electronics in Electric Vehicles

## Lunch (12.10 PM to 1.10 PM)

## Tea Break / Room Transition (2.40 PM to 3.00 PM)

## Collaboration & Case Study

3:00 PM to 3:45 PM Ensure product quality yet reduce design time and cost for manufacturing through design space exploration

3:45 PM to 4:15 PM Electric Vehicle case study

4:15 PM to 4:30 PM Lucky Draw & Closing

4:30 PM The End