

# Appendix 1: Programme

## Thursday, 13 Nov 2014

### 8:30 Audience Registration

### 9:00 Opening Session

- Welcome address given by organizers & Society of Automotive Engineers of China
- Analysis for the automotive industry overview of 2014
- How to enhance the structural components manufacturing and supply chain management in Southern China?
- Introduction of GAC's latest capacity expansion project

### 10:30 Showcase Session

- Coffee break (in showcase area)

### 11:00 Panel Discussion

- How to achieve sustainability, safety and efficiency for automotive plastics
- Auto manufacturers' perspective: market trends and challenges

### 12:00 Luncheon (Networking)

### Parallel Session 1: Engine

International innovative applications of non-metal materials in engine compartments

13:30-17:30

#### Topics:

- The technology of "green" plastic fuel tanks
- Innovative materials in intake manifolds and running boards
- New generation of flexible PPA to replace metal pipes for cost saving
- PP materials to replace PA materials in some components
- Applications of new materials in fuel pipes
- Case study of using special polymers in turbo intake systems
- High heat-stabilized polymer solutions for downsizing of engines
- Applications of thermoplastic elastomers in intake pipes
- Research on engine mount based on high performance lightweight polyamide
- Testing on deterioration of plastics in auto engines

### Parallel Session 2:

### Lightweighting & VOC Control

How to manufacture environmentally friendly low carbon emission vehicles

13:30-17:30

#### Topics:

- Kiefel: Design and Finishing of the Passenger Car Interior with Defined Processes
- Lightweighting solutions based on low volatile high performance materials
- Application of long glass fiber reinforced PP in automotive industry
- Application of recycled nylon for automotive functional parts
- Application of thermoplastic elastomers for automotive interiors
- PVD coating technology for plastic surface
- Low cost lightweighting for new energy and electric vehicles
- Applications of high performance and low cost carbon fiber composites for automotive lightweighting
- Application of micro injection molding in automotive industry
- Bio-based materials to replace PP for automotive interiors
- Application of environmentally friendly water based rubber in automotive industry

Friday, 14 Nov 2014

Plant visit: GAC engine plant & assembly plant