

Special Presentation

Green Mobility for Sustainable Road Transportation, Efforts and Challenges in JARI

Mr. Shigeru Handa

Managing Director, Japan Automobile Research Institute (JARI)

Email: shanda@jari.or.jp

Abstracts

CO2 reduction for automobile technologies and related countermeasures promote 'green mobility' in Japan. Countermeasures of green mobility have four categories: 1) greater fuel efficiency, 2) more efficient use of vehicles, 3) diversified automotive fuel supply, and 4) improved traffic flow. The keynote speech focuses on the following two topics to contribute to the 4 categories.

- i. xEVs (hybrid electric vehicles, battery electric vehicles, plug-in hybrid vehicles and fuel-cell electric vehicles) as next generation vehicles
- ii. Platooning and automated driving technology of heavy duty trucks as an intelligent transport system in inter-urban transportation

Issues of xEVs are battery R&D projects, charging stations, hydrogen fuel-cell electric vehicles, and so on. JARI has been conducting standardization activities of these new xEVs. Some outputs done by JARI are highlighted in the keynote speech. In addition, JARI developed platooning and automated driving technology. The audio-video reveals the concept and estimated CO2 reduction rate by platooning.

Biography



Shigeru Handa majored in Economics and graduated from the University of Tokyo in 1976. He served as senior economist at the Japan Research Economic Institute from 1979 to 1981. He stayed in New York for 9 years, investigating the US auto industry and financial revolutions.

He is currently a Managing Director of the Japan Automobile Research Institute as well as a councilor of the Comprehensive Research Organization for

Science and Society (CROSS), and is executive director of the Japan Vehicle Inspection Association (JVIA), Japan Petroleum Energy Center (JPEC) and Japan Iron and Steel Recycle Institute (JISRI).

He has dedicated his time and effort for global cooperation for many years. He has led the Asian Automobile Institute Summit from 2012. He contributes to human resource development and mutual understanding among automobile engineers and researchers.

Co-organized by



Platinum sponsor



Gold sponsor



Silver sponsor



Supported by

