2018 ICAT Program

July 5, 2018 (Thu.)

9:00 9:20 Session Chair (TBD)  
Junior Session (A-1, 208)  
ICAT2018-O1  
Hye-Sun Shin  
Chonnam National University  
Korea  
Comparison between and computational analysis about polymer electrolyte membrane water electrolyzer's (PEMWE) power source to produce compressed hydrogen production

9:20 9:40 ICAT2018-O2  
Hong Jun Oh  
Chonnam National University  
Korea  
Effective cooling design for PEMFC on automobile

9:40 10:00 ICAT2018-O3  
Jeong Seok Ha  
Chonnam National University  
Korea  
Hybrid cooling system for fuel cell of automobile

10:00 10:20 Coffee Break

10:20 10:40 Session Chair (TBD)  
Junior Session (A-2, 208)  
ICAT2018-O4  
Jin Hengshe  
Chonnam National University  
Korea  
Modeling of photovoltaic (PV) power generation system for polymer electrolyte membrane water electrolyser's (PEMWE) power source to produce hydrogen fuel

10:40 11:00 ICAT2018-O5  
Gonzalo A. Almeida  
Chonnam National University  
Korea  
Control-oriented model of compact combined dimethyl ether reformer for automotive application

14:00 14:30 Opening Ceremony  
(Chair: Dr. Inchul Choi, KITECH, Korea)

14:30 15:30 Jean-Marc Desvaux  
Easy Mile  
France  
Shared driveless transportation for the last mile

15:30 15:40 Coffee Break / Poster Session

15:40 16:20 Session Chair Prof. Chul-Soo Kim (Hanyang Univ.)  
Session I  
Lecture 1  
Osamu Shimizu  
Nagoya University  
Japan  
Recent electric vehicle's propulsion system

16:20 17:00 Lecture 2  
Mike Hawes  
Society of Motor Manufacturers and Traders  
UK  
Current status and prospects of UK's EV industry

17:00 17:40 Lecture 3  
Nuwong Chollacoop  
National Metal and Materials Technology Center  
Thailand  
Role of xEVs to achieve fuel economy target in Thailand

17:20 17:30 Lunch / Poster Session / Green Car Exhibition

18:00 21:00 Poster Session

10:00 17:20 Session Chair (TBD)  
Junior Session (A-2, 208)  
ICAT2018-O6  
Hiroyuki Fuse  
The University of Tokyo  
Japan  
Effective tire slip ratio and slip angle control method - Tire workload maximization using independent-four-wheel-drive electric vehicle based on $\lambda$-method

10:20 10:40 Coffee Break

10:40 11:00 ICAT2018-O7  
Ji Su Park  
Korea National University of Transportation  
Korea  
Characteristics of Nox and PN emissions by various test modes on chassis dynamometer with light-duty vehicles

11:30 13:00 Lunch / Poster Session / Green Car Exhibition

13:00 13:40 Session Chair Prof. Seunghun Jung (Chonnam Nat'l Univ.)  
Session II  
Lecture 4  
Taeil Choi  
Korea Electric Power Corporation  
Korea  
KEPCO EVSE Business progress

13:40 14:20 Lecture 5  
James F. Miller  
Argonne National Lab.  
USA  
International cooperation on hybrid & electric vehicles under the international energy agency

14:20 15:00 Lecture 6  
Chooing Kim  
Hyundai Motor Group  
Korea  
HMG electric vehicle development status & strategy

15:00 15:20 Coffee Break / Poster Session

15:20 16:00 Session Chair Prof. Seunghun Jung (Chonnam Nat'l Univ.)  
Session III  
Lecture 7  
Yutak Kim  
Korea Battery Industry Association  
Korea  
Global EV battery market, technology and 2nd life

16:00 16:40 Lecture 8  
Yeonguk Son  
Korea Automotive Technology Institute  
Korea  
Directions to technology development on core parts of electric vehicles

16:40 17:20 Lecture 9  
Yoseop Hong  
Kiaam Innovation  
Korea  
Electric vehicles and logistics industry

17:20 17:30 Award Ceremony / Closing

18:00 21:00 Banquet

10:00 17:20 Poster Session

2018 ICAT Program

July 6, 2018 (Fri.)

9:00 10:10 Session Chair Prof. Seunghun Jung (Chonnam Nat'l Univ.)  
Session II  
Lecture 10  
Hyungi Lee  
Korea Smart Grid Association  
Korea  
Standardization activity of electric vehicle infrastructure

10:10 11:30 Lunch / Poster Session / Green Car Exhibition

11:30 13:00 Session Chair Prof. Suhan Park (Chonnam Nat'l Univ.)  
Session III  
Lecture 11  
Jakub Bernat  
KOMEL  
Poland  
E-Mobility in KOMEL institute compared with Polish and world E-mobility

13:00 13:40 Lecture 12  
Ali Sadi  
Bloomberg New Energy Finance  
Japan  
Long-term electric vehicle outlook 2018

13:40 14:20 Coffee Break / Poster Session

14:20 15:00 Session Chair Dr. Gil-Sung Jung (KITECH)  
Session IV  
Lecture 10  
Hyungi Lee  
Korea Smart Grid Association  
Korea  
Standardization activity of electric vehicle infrastructure

15:00 15:20 Lecture 11  
Jakub Bernat  
KOMEL  
Poland  
E-Mobility in KOMEL institute compared with Polish and world E-mobility

15:20 16:00 Lecture 12  
Ali Sadi  
Bloomberg New Energy Finance  
Japan  
Long-term electric vehicle outlook 2018

16:00 16:40 Coffee Break / Poster Session

16:40 17:20 Session Chair (TBD)  
Junior Session (A-2, 208)  
ICAT2018-O7  
Ji Su Park  
Korea National University of Transportation  
Korea  
Characteristics of Nox and PN emissions by various test modes on chassis dynamometer with light-duty vehicles

17:20 17:30 Award Ceremony / Closing

18:00 21:00 Banquet

10:00 17:20 Poster Session