

Mechatronics and Mechanical Engineering (MME)

MME 1 (14:00 – 15:20, 6th Aug, Sky2)

Session Chair : Dr. Jung-Sik Kim (UK)

Keynote speech

- Changduk Kong, Past, Present and Future Contribution on Research and Development of Aero-Propulsion Systems in Korea-Springer – 25+5 min



Prof. Chang-Duk Kong is a Professor in the Department of Aerospace Engineering at Chosun University. He gained a PhD at Osaka Prefecture University. He has served as an vice president of the Korea society for aeronautics and space sciences (KSAS) .His main research topics are the structure of aircraft and a gas turbine

Paper presentation

1. Kyoungwoo Park, Numerical Analysis of aerodynamic characteristics for Wing-in-Ground Effect Craft with DUP device – 15+5 min
2. Chul-Ho Kim, Optimum Aerodynamic Design of Express Bus for the Reduction of Fuel Consumption and Global Warming Gas – 15+5 min

MME 2 (09:30 – 10:50, 7th Aug, Canary1)

Session Chair : Dr. Dong-Seon Kim (Austria)

Paper presentation

1. Man-Wook Han, Navigation of a mobile robot – 15+5 min
2. Young Saeng Park, Reconfigurable Automation with SOA based on Web Services-15+5min
3. Sungwoo Choi, Model-free control of automotive engine and brake for Stop-and-Go scenarios – 15+5 min
4. Dong Hwa Kim, Artificial Intelligence, Computational Intelligence, Emotional Technology, Robot – 15+5 min.

MME 3 (11:10 – 12:30, 7th Aug, Canary1)

Session Chair : Dr. Man-Wook Han (Austria)

Paper presentation

1. Jung-Sik Kim, Fabrication of Three-Dimensional Magnetic Microcomponents – 15+5 min
2. Dong Seon Kim, Solar air conditioning in Mediterranean climate – 15+5 min
3. Won-Kwang Park, Level-set method for reconstructing thin electromagnetic inclusions – 15+5 min
4. Byeong Sam, Kim, Computational Analysis of Non Contact Transportation System for Wafer Hand – 15+5 min

Poster presentation

1. Wan-Doo Kim, Nature-inspired Superhydrophobic Surface
2. Yong Duck Kang, Energy saving technology
3. Lee Kangseok, Development of the Motorized seat Belt and Belt Tension Estimation