

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**UCHICAGO ARGONNE LLC, OPERATOR OF  
ARGONNE NATIONAL LABORATORY (USA)**

**AND**

**KOREA INTITUTE FOR ADVANCEMENT OF TECHNOLOGY (KOREA)**

**FOR COOPERATION IN RESEARCH AND DEVELOPMENT OF TRANSPORTATION SYSTEM  
TECHNOLOGIES**

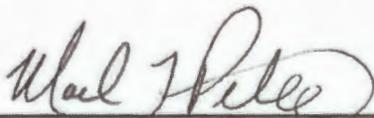
UChicago Argonne LLC, operator of Argonne National Laboratory (ANL) under Prime Contract Number DE-AC02-06CH11357 with the U.S. Department of Energy (DOE), and the Korea Institute for Advancement of Technology (KIAT), founded by the Korea Ministry of Knowledge Economy (MKE), are the "Participants" in this Memorandum of Understanding (MOU).

Noting that Argonne, through the Transportation Technology Research and Development Center (TTRDC) has been a leader in the research and development of advanced transportation technologies in the United States, and that KIAT is a funding organization in Korea exploring and supporting emerging technologies, this MOU is being proposed as the vehicle to foster collaboration between the two organizations.

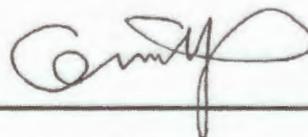
The Participants state their intentions as follows:

- 1) The Participants propose to cooperate in technical areas connected with automotive transportation systems (including diesel emissions control systems), exchange publicly available research data, and schedule visits to both countries to enable collaboration.
- 2) The Participants propose to discuss cooperation in other technology areas related to transportation systems that are deemed to be of mutual interest to ANL, US DOE, KIAT, and Korea MKE.
- 3) The Participants anticipate that the activities under this initiative are to include information exchanges on technical issues related to any other emerging technologies that may result in unique solutions to current problems in industry and/or promote the commercialization of energy-efficient engineering technologies.
- 4) The Participants anticipate having technical discussions to identify the detailed research subjects of mutual interest and benefit to the auto industry in both countries.

**Signed at Argonne, Illinois, this Sixteenth day of October 2012:**



**Eric D. Isaacs**  
Director, Argonne National Laboratory  
UChicago-Argonne, LLC



**Yong-Geun Kim**  
President, Korea Institute for Advancement  
of Technology