

*2nd KES International Symposium*  
on  
**Intelligent Decision Technologies**  
**IDT'10**

Venue: Inner Harbor, Baltimore, Maryland, USA  
28-30 July 2010

Web site : <http://idt-10.kesinternational.org>

**Invited Sessions**

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**Title of Session: Applications and Methodologies of Artificial Intelligence for Power Systems in New Period**

**Name of Chair: Jaeseok Choi**

**Name of Co-Chairs: Abdurrahim El-Keib**

**Description:**

In recent, power systems should meet a new grid of planning and operation based on fusion of innovative information technologies. Our future is in the smart grid that will enable consumers to save money by controlling their use of energy. "A Smart Grid for Intelligent Energy Use," explains the smart grid and its importance for reducing our carbon footprint. The Smart Grid initiative is the modernization and optimization of the power grid so that it is more reliable, efficient, secure, and environmentally neutral.

But, it is the most important topic that "How is it implemented?". The artificial intelligence technical will be a useful methodology for the successful implementation of new power grid.

The session's topics include, but are not limited to, intelligent agents, fuzzy logic, multi-agent systems, artificial neural networks, genetic algorithms, expert systems, intelligent decision making support systems, information retrieval systems, geographic information systems, knowledge management systems for implementing the new innovative power grid.

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