

# 学术报告

**报告人:** Dr. Do Hyun Kang

**时 间:** 2019年4月1日 (周一) 13:30-15:30

**地 点:** 玉泉校区电机工程楼201室



**Dr. Do Hyun Kang**

Team leader of high power density electrical machine of Korea Electrotechnology Research Institute (KERI).

**Speech: Research Activities at KERI**

**Abstract:** Since its establishment in 1976, Korea Electrotechnology Research Institute (KERI), which is being sponsored by the Ministry of Science and CIT, has been carrying out R&Ds on electrotechnology and testing/certification business on power apparatus.

In the field of electrical machines and systems, KERI is especially focusing its research effort on 4Hi-Motortronics with high efficiency/high power density/high speed/high precision, electric vehicle, pulse-power, high-voltage circuit breakers, super-conductor magnet. KERI's 8000MVA short-circuit testing facilities have also provided the testing and certification services for the heavy electric industries as the independent third-party testing laboratory. KERI's best R&D achievements such as nuclear reactor power control system, Korean high speed train and transportation in clean room are also introduced. Other activities of KERI, which are not within the scope of 4Hi-Motortronics, such as 500 kW synchronous generator (SG) and doubly-fed induction generator (DFIG) for power generation by wind/tidal current, clean room transportation system and the test facilities of KERI will be also introduced.

Finally the CIGRE Working Group A1.47 "Technological Feasibility Studies for Super(IE4) and Ultra-Premium Efficient(IE5) Motors" will be shown.

**主办方:** 浙江省电机系统智能控制与变流技术重点实验室

**浙江大学学生电气与电子工程师协会 - 工业应用协会分会**

**Organizer:** Zhejiang Provincial Key Laboratory of Electrical Machine Systems  
Zhejiang University IEEE Industry Applications Society Student Branch Chapter



浙江大学  
Zhejiang University

