

# IEEE Distinguished Lecture

Date & Time: 2012 June 12 14:40-16:10

Place: University of the Ryukyus

Faculty of Engineering Building No. 4 111

Speaker: Prof. Ralph Kennel(Techn. Univ. München)

## [Presentation Title]

1. Hardware-in-the-Loop Systems with Power Electronics
2. Encoders for Simultaneous Sensing of Position and Speed

## [Speaker's Bibliography]

Ralph M. Kennel was born in 1955 at Kaiserslautern (Germany). In 1979 he got his diploma degree and in 1984 his Dr.-Ing. (Ph.D.) degree from the University of Kaiserslautern. From 1983 to 1999 he worked on several positions with Robert BOSCH GmbH (Germany). He took actively part in the definition and release of new standards with respect to CE marking for servo drives. Between 1997 and 1999 Dr. Kennel was responsible for "Advanced and Product Development of Fractional Horsepower Motors" in automotive applications. His main activity was preparing the introduction of brushless drive concepts to the automotive market.

From 1994 to 1999 Dr. Kennel was appointed Visiting Professor at the University of Newcastle-upon-Tyne (England, UK). From 1999 - 2008 he was Professor for Electrical Machines and Drives at Wuppertal University (Germany). Since 2008 he is Professor for Electrical Drive Systems and Power Electronics at Technische Universität München (Germany). His main interests today are: Sensorless control of AC drives, predictive control of power electronics and Hardware-in-the-Loop systems. Dr. Kennel is a Senior Member of IEEE, a Fellow of IEE and a Chartered Engineer in the UK. Within IEEE he is Treasurer of the Germany Section as well as ECCE Global Partnership Chair of the Power Electronics Society (PELS).

## Contact Information

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