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Inštitut za robotiko Fakultete za elektrotehniko, računalništvo in informatiko **Univerze v Mariboru** ter **TECES** bosta v programu mednarodnega sodelovanja gostila svetovno priznanega strokovnjaka transportnih in hibridnih sistemov, **dr. Kaushik Rajashekara** iz Propulsion & Power Systems Engineering, Rolls-Royce Corporation, Indianapolis, USA.

Zainteresirano strokovno javnost vabimo na predavanje

Current Trends in EVs, HEVs, and Fuel Cell Vehicles with Associated Power Electronics and Drives

s sledečo vsebino:

- Introduction
- Electric, hybrid, plug-in hybrid, and fuel cell vehicles
- Types of hybrid vehicles: series, parallel, series/parallel
- Status of hybrid, plug-in hybrid, and fuel cell vehicles in USA
- Comparative study of hybrid vehicles
- Strategies for fuel cell vehicle systems
- Electric motor and power electronics trends
- FreedomCar targets and progress
- Future strategies and conclusions.

Predavanje se bo odvijalo v **ponedeljek, 8. septembra 2008**, od 9:00 do 13:00 v **predavalnici BETA** v **novem objektu FERI**, Smetanova ulica 17, Maribor (vhod s Koroške ceste).

Zaradi omejenega števila udeležencev prosimo, da se prijavite najkasneje do **srede, 3. septembra 2008** na naslovu: **info@teces.si**.

Vljudno vabljeni!

Maribor, 27.08.2008

Prof.dr. Karel Jezernik
predstojnik Inštituta za robotiko FERI

mag. Matej Gajzer
direktor TECES



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Kaushik Rajashekara received his B.Eng., M.Eng, and Ph.D. degrees in Electrical Engineering from the Indian Institute of Science, Bangalore, India in 1974, 1977, and 1984, respectively, and MBA from Indiana Wesleyan University, USA in 1992.

From 1977 to 1985, he worked as an Asst. Professor in Indian Institute of Science, Bangalore. In 1978 and 1984-85, he worked at Asea Brown Boveri, Switzerland, on power electronics systems. In 1982, he was a visiting scientist at the Technical University of Dresden, Germany. From 1985-87, he was a Visiting Research Professor in University of Quebec Canada, working on photovoltaic utility interactive inverters. In July 1989 he joined Delphi Corporation in USA, which was a division of General Motors. In Delphi/GM, he held various lead technical and managerial positions, and has been the Technical Fellow and Chief Scientist for Propulsion, Fuel Cell & Advanced Energy Systems. In May 2006, he joined Rolls-Royce Corporation, Indianapolis, USA as a Chief Technologist working on the Power Conversion system for More Electric Aircraft systems, Fuel Cell based power generation Systems, and other Energy related projects.

Dr. Rajashekara has published more than 80 papers and has 22 patents in the areas of Power Electronics and Drive Systems; Electric, Hybrid, and Fuel cell vehicle propulsion systems. He is a Fellow of IEEE and a Fellow of Society of Automotive Engineers. He was awarded 2006 IEEE Industry Applications Society Gerald Kliman Innovator Award for "contributions to the advancement of power conversion technologies through innovations and their applications to industry." He was inducted into the Delphi Innovation Hall of Fame in 1999 and received president's award. He was selected as Distinguished Lecturer of the IEEE Industry Applications Society. He is an Adjunct Professor in Purdue School of Engineering and Technology, Indianapolis, Indiana. He has been a Keynote speaker in several IEEE sponsored and other international conferences. He has conducted short-term tutorial courses in various universities in and local IEEE chapters in over 30 countries.