Schedule for 2013IEEE (Region 10) Technical Seminars and Distinguished Lecture Programs

--Control and Intelligent Computing for Electric Vehicles

Date	Time	Contents
4th Nov	9:00-9:30	Register
	9:30-9:33	Opening Ceremony
	9:33-10:20	Talk 1：Roger Goodall
		Control engineering challenges for railway vehicles of the future
	10:20-10:40	Tea & Coffee
	10:40-11:30	Talk 2：Jack Xu
		Road for the new energy vehicles--Guangzhou Automobile Group Co., Ltd(广汽集团自主品牌新能源汽车之路)
	11:30-12:20	Talk 3：Jonl
		Intelligent vehicle technology and trends in Korea
	12:20-13:30	Lunch
	13:30-14:10	Talk 4：Yuan yiqing
		Transmissions for Electric Vehicles and Their Control
	14:10-15:00	Talk 5：Huang bufu
		The Relationship between Electric Vehicles and Smart China
	15:00-15:20	Tea & Coffee
	15:20-16:10	Talk 6：Qian Huihuan
		The Independent Steering and Driving Vehicle: Design, Parking Analysis and Energy Efficiency

5th Nov	9:00-12:00	Roger Goodall
		application of control theory for vehicle dynamic systems
	10:20-10:40	Tea & Coffee
	14:00-17:30	Roger Goodall
		application of control theory for vehicle dynamic systems
	15:20-15:40	Tea & Coffee
6th Nov	9:00-12:00	Roger Goodall
		application of control theory for vehicle dynamic systems
	10:20-10:40	Tea & Coffee
	14:00-17:30	Roger Goodall
		application of control theory for vehicle dynamic systems
	15:20-15:40	Tea & Coffee

For 5th-6th November, Roger Goodall will give lectures on Maglev and the application of control theory for vehicle dynamic systems, essentially active suspensions for road or rail vehicles covering subjects such as those listed below:

- Overview of control system design
- Modelling (for control)
- Suspension design requirements
- Active suspension principles
- Optimal control approaches
- State estimation techniques
- Case study

Invited Speakers for 2013IEEE (Region 10) Technical Seminars and Distinguished Lecture Programs-Control and Intelligent Computing for Electric Vehicles

1 Roger Goodall

Roger Goodall,，1968 年毕业于剑桥大学彼得学院。主要从事很铁路领域的各种控制相关项目的研究。1982 年，就职英国拉夫堡大学，目前是电子电气与系统工程学院控制系统工程学科专业的教授。他的研究主要涉及先进控制技术的实际应用，尤其在轨道车辆技术方面，具有较高的影响力。同时，他在飞行控制器计算与实现方面也开展了相关的前沿研究。Roger 教授在一些国际学术机构担任过要职，例如：多年参与国际自动控制联合会（IFAC）；在 2000-2005 期间，他担任过机电系统技术委员会的主席，目前是 IFAC 的副会长（2008-2014）。

Roger Goodall graduated from Peterhouse, Cambridge, in 1968. He spent 12 years at British Rail's R & D Division in Derby, where he was involved in a variety of control-related projects connected with the railway industry. In 1982 he took up an academic position at Loughborough University, and is currently Professor of Control Systems Engineering in the School of Electronic, Electrical and Systems Engineering. He has also undertaken leading-edge control engineering research related to aircraft systems and computational aspects for controller implementation. He has a number of responsibilities at an international level, for example many years involvement with the International Federation of Automatic Control (IFAC): he was the inaugural chair of the Mechatronic Systems Technical Committee (2000-2005), and is currently one of IFAC’s two Vice Presidents (2008-2014).

Abstract: Control is an enabling technology in many of today’s complex systems, and railways are no exception. The lecture will review the current state-of-the-art regarding the use of control, focussing upon the trains but with a particular emphasis upon a systems view of control, i.e. where track/train interactions can be profoundly affected for the benefit of the system taken as a whole. It will concentrate upon providing an overview of the future opportunities for railways, but will also assess the similarities and differences compared with automobiles (chassis control, four-wheel steering, electric vehicles, platooning, etc.).

2 Juchl

Juchl 从 1997 年起担任韩国政府的政策官员，他负责韩国信息技术的政策制定，并为韩国的 IT 产业研究制定了多个战略规划。

OH, Juchl has been a policymaker of Korean Government since 1997.Over 6 years, he was in charge of Information Technology policy of Korea and developed several IT strategies and plans for Korean IT industries.

3 徐吉汉（Jack Xu）

徐吉汉博士 1989 年毕业于在瑞士联邦理工学院攻读博士学位，研究控制理论及应用，1991 年获得博士学位；1989-1991 在美国普渡大学做博士后研究。1994-2007 就职于美国福特汽车公司，参与并领导福特汽车公司新能源汽车整车控制系统的研究与开发。2009 年加入广州汽车集团汽车工程研究院，担任首席总师，领导广汽集团节能及新能源汽车的技术开发。

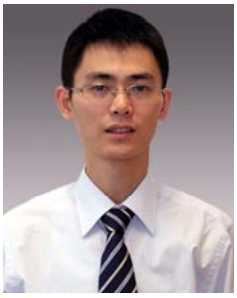
4 袁一卿（Yiqing Yuan）

袁一卿（Yiqing Yuan），研究员，博士生导师，现任浙江千成电子科技有限公司董事长兼总经理。袁一卿教授于于 1985 年毕业于清华大学，获工学学士学位。1988 年获得上海机械学院动力工程硕士学位，随后进入东南大学热能工程研究所，参加国家“八五”重点科技攻关项目“增压流化床联合循环燃烧技术”的研发，荣获国家教委科技进步二等奖。2000 年获得美国弗吉尼亚理工学院和州立大学机械工程博士学位。主要研究方向为燃烧与流动的主动控制技术及在先进燃气轮机中的应用。2009 年初加入中国科学院深圳先进技术研究院，担任电动汽车研发中心副主任，参与并领导中国科学院重大项目“电动汽车整车及关键技术开发”。2010 年入选中组部“千人计划”和中国科学院项目“百人计划”。

5 黄卜夫（Bufu Huang）

黄卜夫，2007 年毕业于香港中文大学获得博士学位，现任智慧中国研究院院长。专注于混合储能技术、电动汽车、能量流控制及优化，在相关领域发表学术论文 20 余篇，申请发明专利 10 余项。

6 钱辉环（Huihuan Qian）



钱辉环教授 2004 年毕业于中国科学技术大学自动化系，获工学学士学位，2010 毕业于香港中文大学机械与自动化工程系，获博士学位。毕业后留校从事科学研究，先后担任助理教授，副研究员，教授，现为 IEEE 会员。主要研究方向为：机器人技术、视频监控和智能汽车。

Dr. Qian received his BEng at Automation Department from University of Science and Technology of China in 2004. In 2010, he completed his PhD at Department of Mechanical and Automation Engineering from the Chinese University of Hong Kong, where he worked as research associate after graduation and as Research Assistant Professor currently. His research interests include robotics, video surveillance, and intelligent vehicles.