

Chairman

Simon Jones
Faculty of Engineering &
Design
University of Bath
Claverton Down
BA2 7AY, UK
Tel: 01225 386469
Fax: 01225 383255
e-mail: s.r.jones@bath.ac.uk

Vice Chairman

Gordon Dodds
Sch. Elect. Eng., Ashby Bldg.
Queen's University,
Belfast BT9 5AH
Tel: 02890-274512
Fax: 02890-667023
e-mail: g.dodds@qub.ac.uk

Past Chair

Tom J Hammons,
11C Winton Drive,
Glasgow G12 0PZ
Tel: 0141 339 7770
e-mail: t.hammons@ieee.org

Treasurer

Narayana Jayaram,
School of Information and
Multimedia Technology
University of North London
166-200 Eden Grove,
Holloway Rd,
London N7 8EA
Tel: +44 207 7535 127
e-mail: n.jayaram@ieee.org

Secretary

Séan McLoone
Dept Electronic Engineering
NUI Maynooth, Maynooth
Co. Kildare, Ireland
Tel: +353 1 708 6313
e-mail: s.mcloone@ieee.org

Newsletter

Brian Harrington
33 Brentwood Road
Ingrave, Brentwood
Essex CM13 3RE
TEL: 0207 452 7514
FAX: 0207 452 7592
e-mail: b.harrington@ieee.org

Conferences

Marwan Al-Akaidi
Dept Elect Engg,
De Montfort University
The Gateway
Leicester LE1 9BH
TEL: 0116 257 7098
FAX: 0116 257 7052
e-mail:mma@dmu.ac.uk

Awards

Charles Turner
Dept. of Electronic
& Electrical Eng.
King's College, Strand,
London WC2R 2LS
TEL: 0207 848 2438
FAX: 0207 848 4781
e-mail:ctruner@ieee.org

Ireland

James Christie
Dept. of Electronic Eng.
University College
Dublin 4
TEL: +353 1 716 1915
FAX: +353 1 283 0921
e-mail: james.christie@ucd.ie

IEEE Public Lecture**Automotive Drive-By-Wire Systems**

by Prof. Jens Kalkkuhl

6 pm – 7 pm, 17th October 2003The Hamilton Institute, NUI Maynooth,
Maynooth, Co. Kildare, Ireland.**Abstract:**

Drive-by-wire will play an important role in future automotive systems. The main idea of drive-by-wire is to replace purely mechanical/hydraulic steering, braking and engine control systems by mechatronic components that allow for higher performance and extended functionality. A whole range of new functions such as collision mitigation, autonomous driving, advanced cruise control and novel anti-skid control approaches depend on drive-by-wire systems. The presentation will give an overview of some important drive-by-wire systems and the related applications.

Short CV:

Prof. Jens Kalkkuhl is a research scientist and project leader with the Autonomous Systems Laboratory of DaimlerChrysler Research and Technology where he is responsible as a Manager in the fields of Advanced Control Methods and Integrated Chassis Control. He obtained his Dipl.-Ing. and his Dr.-Ing. degrees in electrical engineering from the Technical University of Dresden in 1988 and 1992 respectively. From 1988 to 1992 he worked as a research assistant with the Institute of Automation at the Technical University of Dresden. From 1992 to 1994 he was a Postdoctoral Research Fellow with the Industrial Control Centre at the University of Strathclyde, Glasgow. He was involved in the Esprit Project Neural Adaptive Control (NACT) and was the industrial coordinator of the European Union Basic Research Project "Heterogeneous Hybrid Control" (H2C). He is the manager of several projects which aim to transfer innovative methods in control engineering to the DaimlerChrysler operating companies. Since 2002 he holds an Adjunct Professorship at the Hamilton Institute, National University of Ireland, Maynooth. His research interests are in vehicle dynamics control, non-linear, hybrid and multivariable control.

Refreshments (Tea/coffee & biscuits) will be available from 5.30pm.

For further information contact : Seán McLoone, UKRI Section Secretary, Department of Electronic Engineering, NUI Maynooth, Maynooth, Co. Kildare, Ireland. (Email: s.mcloone@ieee.org)