University of Birmingham

Professor Peter Hall PhD, CEng, FIEEE, FIET

Professor

School of Electronic, Electrical and Computer Engineering (/schools/eece/index.aspx)

Contact details

Telephone +44 (0) 121 414 4294 (tel:+44 121 414 4294)

Fax +44 (0) 121 414 4291

Email p.s.hall@bham.ac.uk (mailto:p.s.hall@bham.ac.uk)

School of Electronic, Electrical and Computer Engineering
University of Birmingham
Edgbaston
Birmingham
B15 2TT
UK

About

Professor Hall is a professor in the School of Electrical, Electronic & Computer Eng (EECE) and a member of the Communications Engineering Research Group. He researches in the field of microwave antennas and radiowave propagation.

Qualifications

Professor in Electrical and Electronic Eng.:

- Fellow IEEE, 2000
- Fellow IEE, 1990
- Chartered Engineer, 1981
- PhD in Antenna Measurements, Sheffield University, 1974
- MEng in Microwaves and Communications Engineering, Leeds and Sheffield Universities, 1971
- BEng in Electronics, Sheffield University, 1970

Biography

Peter Hall is Professor of Communications Engineering, leader of the Antennas and Applied Electromagnetics Laboratory, and Head of the Devices and Systems Research Centre in the Department of Electronic, Electrical and Computer Engineering at The University of Birmingham. After graduating with a PhD in antenna measurements from Sheffield University, he spent 3 years with Marconi Space and Defence Systems, Stanmore working largely on a European Communications satellite project. He then joined The Royal Military College of Science as a Senior Research Scientist, progressing to Reader in Electromagnetics. He joined The University of Birmingham in 1994.

He has researched extensively in the areas of antennas, propagation and and antenna measurements. He has published 5 books, over 350 learned papers and taken various patents. These publications have earned many awards, including the 1990 IEE Rayleigh Book Award for the Handbook of Microstrip Antennas.

Professor Hall is a Fellow of the IEE and the IEEE and a past IEEE Distinguished Lecturer. He is a past Chairman of the IEE Antennas and Propagation Professional Group and past coordinator for Premium Awards for IEE Proceedings on Microwave, Antennas and Propagation. He is a member of the IEEE AP-S Fellow Evaluation Committee. He chaired the 1997 IEE ICAP conference, was vice chair of EuCAP 2008 and has been associated with the organisation of many other international conferences. He was Honorary Editor of IEE Proceedings Part H from 1991 to 1995 and currently on the editorial board of Microwave and Optical Technology Letters. He is a past member of the Executive Board of the EC Antenna Network of Excellence. He recently received the LAPC IET James Roderick James Lifetime Achievement Award.

Postgraduate supervision

Professor Hall has superivised research in the following areas

- Body area netwoks
- Cognitive radio antennas
- Reconfigurable antennas
- Active antennas

If you are interesting in studying any of these subject areas please contact Professor Hall on the contact details above.
For a full list of available Doctoral Research opportunities, please visit our Doctoral Research programme listings.

Publications

1. Kelly, J R and Hall P S, “Reconfigurable ultra wideband slot antenna”, Microwave and Optical Technology Letters, 52, 9, pp 1988-1990, 2010, ISSN 0895-2477
2. Wang Z P, Kelly, J R and Hall P S, “Recofigurable bandstop filter with wide tuning range”, Electronics Letters, 46, 11, pp 771-761, 2010, ISSN 0013-5194
3. Hamid, M R, Gardner, P, Hall P S and Ghanem, F, “Reconfigurable Vivaldi antenna”, Microwave and Optical Technology Letters, 52, 4, pp 785-787, 2010, ISSN 0895-2477
4. Hamid, M R, Gardner, P, Hall P S and Ghanem, F, “Switchable filtering in Vivaldi antenna”, Electronic Letters, vol 46, no 7, 2010, pp 477-479, ISSN 0013-5194
5. Ebrahimi E, Hall P S, “Integrated wide-narrow band antenna for multiuband applications”, Microwave and Optical Technology Letters, 52, 2, pp 425-430, 2010, ISSN 0895-2477

6. Kelly J R, Hall P S, Gardner, P, and Ghanem, F, “Integrated narrow/band notched UWB antenna”, Electronic Letters, vol 46, no 12, 2010, pp 814-815, ISSN 0013-5194

7. Khan I, Nechayev Y I , Hall P S, “Second-Order Statistics of Measured On-body Diversity Channels” Microwave and Optical Technology Letters, 51, 10, pp 2335-2337, 2009, ISSN 0895-2477

8. Kamarudin M R, Hall P S, Colombel F, Himdi M I, "CPW-Fed Switchable Top Disk-Loaded Monopole Array Antenna”, PIERS Journal of EM Waves and Applications, 23, 11-12 pp1631-1638 2009, ISSN 0920-5071.

9. Gallo, M., Hall, P.S., Bai Q, Nechayev, Y.I., Constaninou C C, Bozzetti, M., “Simulation and Measurement of Dynamic On-Body Communication Channels”, IEEE Transactions on Antennas and Propagation, Vol. 59, No. 2, Feb 2011, pp 623-630, DOI 10.1109/TAP. 2010.2093498

10. F J Herraiz-Martínez, P S Hall, Q Liu, and D Segovia-Vargas, “Left-Handed Wire Antennas over Ground Plane with Wideband Tuning”, IEEE Transactions on Antennas and Propagation, Vol.59, No.5, 2011, pp 1460-1471

11. Hamid, M R, Gardner, P, Hall P S and Ghanem, F,”Switched band Vivaldi antenna”, IEEE Transactions on Antennas and Propagation, Vol.59, No.5 , 2011, pp 1472-1480

12. Hamid, M R, Gardner, P, Hall P S and Ghanem, F,”Vivaldi antenna with integrated switchable band pass resonator”, IEEE Transactions on Antennas and Propagation, Vol.59, No.?, 2011, pp? DOI 10.1109/TAP.2011.2164197

13. Akhoondzadeh-Asl, L.; Khan, I.; Hall, P.S.; “Polarisation diversity performance for on-body communication applications”, IET Proc Microwaves, Antennas & Propagation, Vol 5 , Issue 2 2011 , Page(s): 232 – 236, DOI 10.1049/iet-map.2009.0460

14. Kelly, J. R.; Hall, P. S.; Gardner, P.; Band-Notched UWB Antenna Incorporating a Microstrip Open-Loop Resonator”, IEEE Transactions on Antennas and Propagation, Vol.59, No.8, 2011, pp 3045-3048, DOI 10.1109/TAP.2011.2152326

15. Ebrahimi, E.; Kelly, J.R.; Hall, P.S.; “Integrated Wide-Narrowband Antenna for Multi-Standard Radio”, IEEE Transactions on Antennas and Propagation, Vol.59, No.8, 2011, pp 3045-3048, DOI 10.1109/TAP.2011.2152353

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