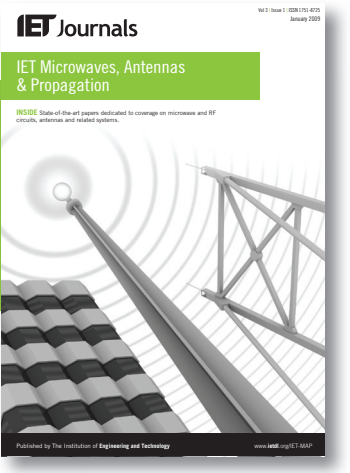
IET Journals



IET Microwaves, Antennas & Propagation
Call for Papers

SPECIAL ISSUE ON:
Body Centric Communications

Body centric communications is now a well established field in the area of antennas and propagation. Some topical issues include antenna and channel characterisation of Zigbee, UWB and more recently millimetre wave on-body systems. In addition, the study of implantable and wearable sensors for biological and medical sensing is also very timely. New types of "fabric" antenna embracing the need for wearable solutions, the use of materials to enhance performance as well as compact "diversity" solutions are all being addressed by antenna researchers. Modelling the propagation channel to devise suitable link budgets, diversity and cognitive radio techniques are vital issues to achieving viable systems. This special issue aims to provide the reader with coverage of all these issues from leading researchers around the world.

- Channel characterisation models for narrow and wideband body centric wireless systems
- Diversity and cognitive radio solutions for secure off-body wireless links
- Electromagnetic Band Gap Structures and Perfect Magnetic Conductors for body mounted antennas
- Electromagnetic modelling techniques for body mounted antennas
- Electromagnetic modelling techniques for in-body, on-body and off-body communications
- Fabric and textile antennas
- Low frequency body centric propagation
- Low-power and power harvesting techniques for body centric wireless systems
- Measurement techniques for body centric antennas and propagation
- Millimetre wave body centric wireless systems
- SAR issues for body centric communications
- Sensor networks for body centric systems
- Transmission lines and RF connections for on-body antennas
- Using the body centric wireless channel as a sensor
- UWB Antennas & Propagation
- Wireless-based body mounted / implanted medical sensors
- Wireless body implants

All papers must be submitted through the journal's Manuscript Central system:
http://mc.manuscriptcentral.com/iet-MAP

Proposed publication schedule:

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Authors to receive a 1st decision by:
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31st August 2012
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Q3-Q4 2012 Subject to IET Schedule

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