



IPEM conferences



CALL FOR PAPERS

**The Fifth International Meeting on
Cerebral Haemodynamic Regulation
(CARNet meeting)**

**13-15 July, 2015
Southampton, UK**



Co-sponsored by

IPEM **Physiological Measurements** Special Interest Group

Call for Papers

The meeting will cover the broad range of regulatory physiological mechanisms that maintain brain bloodflow at appropriate levels in health and disease, and will include physiology, clinical applications and the engineering, physics and mathematical modelling that underpins mechanisms and measurements.

The conference is organised by the Cerebral Autoregulation Research Network (CARNet <http://www.car-net.org/>), an international multidisciplinary network including now over 100 scientists worldwide, in collaboration with the Institute of Physics and Engineering in Medicine (IPEM). Cerebral blood flow is driven by blood pressure, arterial carbon dioxide levels, neuronal activation and cerebral metabolism, intracranial pressure, vasomotion, activity of the sympathetic nervous system, posture and other determinants. While cerebral autoregulation usually refers primarily to the physiological mechanisms that maintain blood flow during changes in blood pressure, the meeting will encompass the wider field of cerebral haemodynamic regulation, including areas such as CO₂ reactivity, neurovascular coupling and intracranial pressure control.

The conference will be held in Chilworth Manor Hotel (<http://www.chilworth-manor.co.uk/>), a country hotel in a beautiful setting in a private park on the edge of Southampton. Conference presentations will be 13-14 July, 2015, with working meetings on 15 July, 2015.

The deadline for abstract submission (one-page) is 23 March, 2015. To submit an abstract please visit the IPEM website for further details. www.ipem.ac.uk

Prof. David Simpson,
Conference Chair
University of Southampton,
E-mail: ds@isvr.soton.ac.uk

The Fifth International Meeting on Cerebral Haemodynamic Regulation

Southampton, UK
13-15 July, 2015

Please submit your abstract to IPEM by 23 March, 2015, following the instructions at <http://www.ipem.ac.uk/ConferencesEvents/Conferencereportsandabstracts/AbstractSubmission.aspx>

Please ensure you include:

- Presentation title,
- Full name of presenting author (underlined) and any other authors,
- Presenting author contact email address,
- Postal address
- Telephone number
- Full abstract (max one page - maximum).

Registration for this meeting is now open at www.ipem.ac.uk.

Further details will be uploaded including the programme and Invited Speakers as soon as they become available.

Institute of Physics and Engineering in Medicine
Fairmount House, 230 Tadcaster Road, York, YO24 1ES