



THE INSTITUTE OF
ELECTRICAL AND ELECTRONICS
ENGINEERS



**UNITED KINGDOM AND REPUBLIC OF IRELAND SECTION
ENGINEERING IN MEDICINE AND BIOLOGY CHAPTER**

<http://ewh.ieee.org/r8/ukri/embs/>

Chapter Report

10th March 2005

Officers of the Chapter

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Special Events and Activities

- The sponsored/co-sponsored events since September 2004 included:
 - **1 December 2004: *Blind Source Separation in Biomedicine, London.*** (co-sponsored with the IEE) This one day seminar introduced the state-of-the-art on blind source separation techniques when applied to problems in biomedicine.

- **22 February 2005: *Signal Processing Applications in Clinical Neurophysiology, National Railway Museum, York***; co-sponsored by the IPEM Physiological Measurement Special Interest Group.
- The sponsored/co-sponsored events for 2005 so-far include:
 - **12-13 April 2005: *International Workshop on Wearable and Implantable Body Sensor Networks, Department of Computing, Huxley Building, 180 Queen's Gate on the South Kensington Campus of Imperial College London, UK***, (Technically co-sponsored by the UKRI EMBS chapter)
 - **29 June - 1 July, 2005: *Second International Conference on Computational Intelligence in Medicine and Healthcare - CIMED2005, Costa da Caparica, Lisbon, Portugal***; (technically co-sponsored). The second such conference the chapter has technically co-sponsored.
 - **PGBIOMED05 - July 2005: Still being arranged.**
- The chapter has negotiated special (reduced) member rates for all events we host/co-sponsor and sets up a stand (free of charge) promoting IEEE / EMB Society membership in all events.
- A number of administrative and conference committee meetings took part throughout 2004.

Student Activities

As in previous years, our flagship event for 2005 will be the IEEE EMBS UKRI Postgraduate Conference on Biomedical Engineering and Medical Physics - PGBIOMED'05, negotiations for this year's event are still under way for a conference in July. This event is co-organised with the UKRI EMB Student Society and provides an opportunity for students to present and talk about their work within the field of biomedical engineering and medical physics.

Other Chapter Business & Future Events

- We are pleased to welcome Dr Kevin Haylett as our North of England representative to allow us to provide targeted events at the membership in the North of England.
- The chapter website continues to be updated. EMBS members are also kept up to date with UKRI, Region 8 and world-wide EMBS events - as we receive more and more requests to circulate information about European and world-wide EMB activities. The chapter is also promoting senior membership and offering help to anyone of its members interested. We have also started and continue regular email updates to chapter members.
- The chapter has actively targeted eligible members of IEEE to prompt for FIEEE nominations as well as prompting for nominations for applicable awards for members.
- A further number of sponsored and co-sponsored events are in the planning stage for 2005.
- We continue to pursue the desire to concentrate on a series of regional half day talks and seminars, which involve members working in the clinical and industrial, as well as the academic field. To this end we continue to appeal to the members to suggest topics of interest that we can concentrate on throughout this year and beyond - it is from such an appeal that the presentation on medical standards arose.

- The chapter is still a part of the discussions we have initiated between the IEEE, the IEE and IPEM on ways to further increase the collaboration across Institutes in the UKRI for the benefit of Biomedical Engineers and Medical Physicists alike. We are hoping that a joint event will be forthcoming - members will be kept informed as soon as an event is formulated.



Dr Christopher J. James
Chapter Chairman

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