



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

17th October 2003

Officers of the Chapter

Chairman

Dr. Christopher J. James
Biomedical Information Engineering Research Group
Aston University, Aston Triangle, Birmingham B4 7ET
(email) c.j.james@ieee.org (tel) 0121 333 4631 (fax) 0121 333 4586

Secretary

Roland J. Saam
(email) r.j.saam@ieee.org (tel) 020 7373 5498

Past Chair

Dr. G.Z. Yang, Imperial College

Region 8 Representative

Dr. Raouf Naguib, Coventry University

Other Officers

Dr. Anita Boardman, University of Leicester

In line with our commitment to grow as a chapter, we have continued to grow and are pleased to recruit Dr Boardman as a new officer to the chapter.

Special Events and Activities

- The main event for 2003 was:

PGBIOMED03: Postgraduate Conference on Biomedical Engineering and Medical Physics 14-16 July 2003, Aston University, Birmingham, UK

Jointly organised by the chapter and the IEEE EMB Student Society - UK&RI, this second conference resulted in increased attendance over last year - including some delegates from within the EU. Presentations were given over 2 days and financial support (of £200) was matched by support from industry and IEEE EMBS in Piscataway. The chapter will continue to support this yearly event and preparations for PGBIOMED'04 are under way.

- Other events the chapter sponsored/co-sponsored include:
 - **24-26 April 2003:** The 4th Annual IEEE EMBS Special Topic Conference on Information Technology Applications in Biomedicine - ITAB 2003 held in Birmingham.
 - **16 May 2003:** Assessment of the Active Cardiovascular System, Co-sponsored with the Institute of Physics and Engineering in Medicine, this one day meeting brought together disparate groups of Scientists, Engineers, Physiologists and Clinicians with an interest in dynamic cardiovascular behaviour and its measurement, held in York.
 - **21-23 July 2003:** 5th International Conference on Neural Networks and Expert Systems in Medicine and Healthcare and First International Conference on Computational Intelligence in Medicine and Healthcare, NNESMED/CIMED 2003 held in Sheffield. The chapter sponsored the prizes for best papers in conference through financial support of the section (£200).
- The chapter has negotiated special (reduced) member rates for all events we host/co-sponsor.
- A number of administrative and conference committee meetings took part throughout 2003.

Student Activities

The close relationship between the chapter and the student society has been reinforced and is showing fruits, Dr Boardman, recently Student Society chair has now joined the team of the EMBS chapter. We aim to keep the special relationship that exists with the EMB Student Society and to help in any way possible.

In PGBIOMED'03, the chapter sponsored 1 of the prizes, we are looking into the possibility of setting up a nationwide award for "best paper" within PG students in BME.

Other Chapter Business & Future Events

- The chapter website has been revamped and is continuing to be updated. EMBS members are also kept up to date with UKRI, Region 8 and world-wide EMBS events. The chapter is also promoting senior membership and offering help to anyone of its members interested.
- Events for 2003/2004 include:
 - **10 February 2004:** Signal Processing Applications in Clinical Neurophysiology, National Railway Museum, York, co-sponsored by the IPEM Physiological Measurement Special Interest Group.
 - **4 February 2004:** Appropriate Medical Technology for Developing Countries, IEE Savoy Place, London. The third in this series, this seminar will address key needs and problems and take up the challenge of identifying future strategies and solutions. This event will provide an excellent opportunity for sharing experiences and knowledge and will enable you to network face to face with key people.
 - A number of other chapter/co-sponsored events are in the pipeline.

- The chapter is still involved in helping to put together a bid for the 2007 International IEEE EMBS Conference in Glasgow. The outcome of the bid will be known in November, the chapter will have a presence in the conference if the bid goes through.
- The chapter is also especially proud to have initiated discussions 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. Talks are underway and the outcome will be disseminated to all chapter members as soon as possible.



Dr Christopher James
Chapter Chairman

29th September 2003