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PREFACE

The Kuala Lumpur International Conference on Biomedical Engineering (BioMed 2004), was held from 2 to 4 September 2004 at the Hilton Petaling Jaya, Kuala Lumpur, Malaysia. This international conference was jointly organised by the Department of Biomedical Engineering, University of Malaya, Malaysia; Ministry of Health; National Heart Institute; Institution of Engineers; Institute of Electrical and Electronics Engineers (Malaysian Section); Triways Travel Network; and Faculty of Medicine and Faculty of Dentistry, University of Malaya, Malaysia.

The papers presented at BioMed 2004 cover the following areas: Artificial Intelligence, Biomaterials, Biomechanics, Biomedical Sensors, Biomedical Signal Analysis, Biotechnology, Clinical Engineering, Imaging, Medical Informatics, Medical Instruments and Devices, Physiological Modelling and Control, Regulations and Organisations, Rehabilitation Engineering, Telemedicine, Tissue Engineering, and Virtual Reality in Medicine.

The conference program included invited plenary sessions by Colin Orton, the President of IUPESM; Joachim Nagel, the President of IFMBE; John G. Webster from the University of Wisconsin-Madison; Dan L. Bader from Queen Mary, University of London; Gert Pfurtscheller from Graz University of Technology, Austria; and J. C. Barbanel from the University of Strathclyde, Glasgow. The papers of these plenary sessions are also included herein.

The conference also featured inaugural pre-conference workshop sessions. There are three sessions altogether, and the topics are Bioinstrumentation, by John G. Webster; Cell and Tissue Engineering by Dan L. Bader; and Medical Image Processing by Michel Bister.

Thanks are due to the members of the organising committee for their support and assistance in ensuring a successful BioMed 2004. Particular thanks go to Healthtronics, without whose financial support the conference could not have been successfully organised.

Goh Sing Yau, Ph.D
Chairperson
Kuala Lumpur International Conference on Biomedical Engineering 2004

KUALA LUMPUR INTERNATIONAL CONFERENCE ON BIOMEDICAL ENGINEERING 2004

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Department of Biomedical Engineering, University of Malaya, Malaysia

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