

# Theme 12

## General Subjects



### Theme Chairs:

**Joachim H. Nagel**,  
Institute of Bio-  
medical Engineering,  
University of  
Stuttgart, Germany

**Stelios Christofides**,  
Nicosia General  
Hospital, Cyprus

### ABSTRACT:

Traditionally, IUPESM World Congresses have focused on science and thus did not call much attention to the important professional issues of Medical Physics and Biomedical/Clinical Engineering nor to the societal implications of the disciplines which are essential for the development and recognition of these professions and the professionals dedicating their work to the health and well-being of mankind as laid down in the statutes of our scientific and professional organizations. Due to the ever growing importance of these issues and the increasing political discussions about modern health technologies, especially with regard to the information technologies, World Congress 2009 strengthens the theme General Subjects in the attempt to steer the attention of the Congress participants towards the important topics of education and training, accreditation and certification, career development in biomedical engineering and physics, medical and care compunetics, health economics, and health technology assessment. The contributions of medical physics and biomedical/clinical engineering to medicine and health care with specific emphasis on patient and user safety and health care in developing countries will be discussed and the role and implications of the health technologies, including the economic consequences will be analyzed. A BIOMEDEA\* workshop will round off the program.

## TRACKS:

### Education and Training

#### Track Chairs:

**Slavik Tabakov**,  
King's College Hospital,  
London, UK

**Dick W. Slaaf**,  
Eindhoven University  
of Technology,  
Maastricht, Netherlands

**John Denis Enderle**,  
University of Connecticut,  
Storrs, USA

**Paolo Lago**,  
Ingegneria Clinica  
Policlinico San Matteo,  
Pavia, Italy

### Accreditation and Certification

#### Track Chairs:

**Frank R. Painter**,  
University Connecticut,  
Stores, USA

**Lenka Lhotská**,  
Czech Technical University,  
Prague, Czech Republic

**Per Ask**,  
Lingköping University,  
Lingköping, Sweden

**Klemens Zink**,  
University of Applied  
Sciences Gießen-  
Friedberg, Germany

### Career Development in Biomedical Engineering and Physics

#### Track Chairs:

**Guruprasad Madhavan**,  
Binghamton University,  
USA

**Luis Kun**,  
National Defense  
University,  
Washington, USA

**Laura Schreiber**,  
Clinical Center of the  
Johannes Gutenberg  
University of Mainz,  
Germany

**Maria Siebes**,  
Academic Medical Center,  
Amsterdam, Netherlands

### Health Technology and Patient Safety

#### Track Chairs:

**Joachim Nagel**,  
University of  
Stuttgart, Germany

**Andrei Issakov**,  
WHO, Geneva, Switzerland

### Medical and Care Compunetics ICMCC@WC2009

#### Track Chairs:

**Lodewijk Bos**,  
International Council on  
Medical and Care  
Compunetics,  
Utrecht, Netherlands

**Stephen Benton**,  
University of Westminster,  
London, UK

### Health Technology Assessment and Economics

#### Track Chairs:

**Jan Persson**,  
Center for Medical  
Technology Assessment,  
Linköping, Sweden

**Heikki Teriö**,  
Karolinska University  
Hospital,  
Stockholm, Sweden

**Andrei Issakov**,  
WHO, Geneva Switzerland

**William Hendee**,  
Medical College of  
Wisconsin,  
Milwaukee, USA

### Health Technology Management in Developing Countries

#### Track Chairs:

**Heikki Teriö**,  
Karolinska University  
Hospital,  
Stockholm, Sweden

**Andrei Issakov**,  
WHO, Geneva Switzerland

**Barry Allen**,  
St. George Hospital,  
Melbourne, Australia

### Technology Enhanced Education

#### Track Chairs:

**Slavik Tabakov**,  
King's College Hospital,  
London, UK

**Donald Frey**,  
Medical University of  
South Carolina  
Charleston, USA

**Jaakko Malmivuo**,  
Ragnar Granit Institute,  
Tampere, Finland

### Biomedical Engineering in Preventive Health-care & Public Health

#### Track Chairs:

**Luis Kun**,  
National Defense  
University,  
Washington, USA

### Biomedical Physics Education for the Medical and Healthcare Professions and the General Public

#### Track Chairs:

**Stelios Christofides**, Nicosia General Hospital, Cyprus

**Carmel J. Caruana**, University of Malta, Msida, Malta

\* A project that aims at contributing to the realisation of the European Higher Education Area in Medical and Biological Engineering and Sciences for the benefit of the universities, the students and the European people