World Congress on Medical Physics & Biomedical Engineering
June 3–8, 2018
Prague, Czech Republic
www.iupesm2018.org

First Announcement
Welcome

Dear colleagues,

it is a great pleasure and honour for The Czech Society for Biomedical Engineering and Medical Informatics and for the Czech Association of Medical Physicists to be the host societies and organizers of the 2018 World Congress on Medical Physics and Biomedical Engineering.

The Congress will be held in Prague, the capital of the Czech Republic, in the beginning of June 2018. The Congress is represented by the Congress Organizing Committee (COC) and is organized in a close collaboration with the international societies IUPESM, IFMBE and IOMP represented by the Congress Coordinating Committee (CCC).

This triennially organized joint meeting of medical physicists, biomedical engineers and adjoining health care professionals is a unique opportunity to liaise with your professional colleagues from all over the world, learn and share your knowledge, and discuss the latest research outcomes and technological advancements as well as new ideas in both medical physics and biomedical engineering field. Besides the purely scientific and technological topics, the 2018 Congress will also focus on other aspects of our professional involvement in health care, such as the education and training, the accreditation and certification, the health technology assessment or the patient safety.

Scientific sessions, plenary lectures, poster sessions, keynote lectures, continuing education sessions and special sessions will be the forms of the Congress events. These scientific meetings will be supplemented with exhibitions and presentations of the manufacturers, innovators and vendors, both local and global.

Dear colleagues, we do hope that the 2018 World Congress on Medical Physics and Biomedical Engineering in Prague will become a memorable event both professionally and socially to all participants and we are very much looking forward to meet you in person.

On behalf of the COC

Jaromír Cmíral, Ing., PhD., DSc.
COC Co-chair (Biomedical Engineering)

Libor Judas, RNDr., PhD.
COC Co-chair (Medical Physics)

Organizers

Czech Society for Biomedical Engineering and Medical Informatics
Member of Czech Medical Association JEP
Prague, Czech Republic

Czech Association of Medical Physicists
Prague, Czech Republic

Important Dates

September 1, 2017
Call for Abstracts opens

September 1, 2017
Registration opens

November 15, 2017
Abstract Submission Deadline

December 31, 2017
Authors Notification of Abstract Acceptance

January 31, 2018
Full Papers Submission Deadline

DEADLINE EXTENDED
November 30, 2017
Main Topics

1 Diagnostic Imaging
2 Image Processing
3 Information Technology in Healthcare
4 Modelling and Simulation
5 BME and MP Education, Training and Professional Development
6 Patient Safety
7 Accreditation and Certification
8 Health Technology Assessment
9 Biosignals Processing
10 Biomechanics, Rehabilitation and Prosthetics
11 Minimum Invasive Surgery, Robotics, Image Guided Therapies, Endoscopy
12 Diagnostic and Therapeutic Instrumentation
13 Micro- and Nanosystems, Active Implants, Biosensors
14 Neuroengineering, Neural Systems
15 Biomaterials, Cellular and Tissue Engineering, Artificial Organs
16 Assistive Technologies
17 Biological Effects of Electromagnetic Fields
18 Clinical Engineering
19 Radiation Oncology Physics and Systems
20 Dosimetry and Radiation Protection
21 Advanced Technologies in Cancer Research and Treatment
22 Biological Effects of Ionizing Radiation
23 Nuclear Medicine and Molecular Imaging

Invited Speakers for Plenary Session

Professor Uwe Oelfke (United Kingdom)
Professor Russell Ritenour (USA)

Key-Note Speakers

Anthony Atala (USA)  Penelope Jeggo (United Kingdom)
Charles Bloch (USA)   Christian Kollmann (Austria)
Edward Boyden (USA)  Patty Kostkova (United Kingdom)
José Bravo (Spain)    Michal Kozubek (Czech Republic)
Carmel Caruana (Malta)  José Millet Roig (Spain)
Paul Chang (Singapore)  Donald Peck (USA)
Andre Dekker (Netherlands)  Miroslav Pintak (Austria)
Jay Flanz (USA)  E. Russell Ritenour (USA)
Christian Gasser (Sweden)  Milan Santrucek (Czech Republic)
Jens Haueisen (Germany)   Jack A. Tuszyński (Canada)
Radovan Hudak (Slovakia)  Jozsef Varga (Hungary)
Leonidas D. Iassemidis (USA)  Kevin Warwick (United Kingdom)
Sebastien Incerti (France)  Habib Zaidi (Switzerland)
Scientific Committee

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Vladimir Krajca (Czech Republic)
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Petr Marsalek (Czech Republic)
Karel Nechvil (Czech Republic)
Milos Nesladek (Belgium)
Chris Nuggent (United Kingdom)
Pirkko Nykänen (Finland)
Hakan Nystrom (Sweden)
Pawel Olko (Poland)
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Vaclav Porod (Czech Republic)
Kevin Prise (United Kingdom)
Ivo Provanzík (Czech Republic)
Vladimir Rogalewicz (Czech Republic)
Simo Saarakkala (Finland)
Ioannis Sechopoulos (Netherlands)
Milan Sonka (USA)
Lucie Sukupova (Czech Republic)
Olga Stepankova (Czech Republic)
Krystina Tack (USA)
Rosanna Tarricone (Italy)
Annalisa Trianni (Italy)
Jiri Trnka (Czech Republic)
Frantisek Vlcek (Czech Republic)
Vladimir Vondracek (Czech Republic)
Jan Vrba (Czech Republic)
Kevin Warwick (United Kingdom)
Martha Zequera Diaz (Columbia)

Congress Coordinating Committee

Chair
Kin Yin Cheung (Chair, IOMP, Hong Kong)

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Virginia Tsapaki (IOMP, Greece)
James Goh (IFMBE, Singapore)
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Herb Voigt (co-opted, IFMBE, Taiwan)
Monique Frize (co-opted, IFMBE, Canada)

Program Committee

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Jaromir Cmiral (Czech Republic, BME)
Libor Judas (Czech Republic, MedPhys)

Contacts

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