XII-th NATIONAL MEDICAL PHYSICS AND BIOMEDICAL ENGINEERING CONFERENCE

with international participation

SOFIA, BULGARIA

International Congress Center-ICC

3- 5 November 2016

Organized by Bulgarian Society of Biomedical Physics and Engineering
Co-organizers: Union of Physicists in Bulgaria
Bulgarian Association of Radiology-BAR
The Bulgarian Biochemical, Biophysical and Molecular Biology Society
Biomedical Engineering Branch of the Union of scientist in Bulgaria
Croatian Medical and Biological Engineering Society-CROMBES
Hungarian Society of medical Physicists-HSMP
Hellenic Association of Medical Physicist-HAMP
Endorsed by:
European Federation of Organizations for Medical Physics-EFOMP
International Organization for Medical Physics- IOMP

NMPEC-2016

NEW TECHNOLOGIES FOR EXPLORATION AND TREATMENT IN MEDICINE

45 years Bulgarian Society of Biomedical Physics and Engineering-
45 years of excellence

Topics

- Physical factors
- Ionizing Radiation
- Non-Ionizing Radiation
- Biomedical Engineering
- Biomedical imaging and image processing
- Molecular Biophysics and Bioinformatics
- Computational and Systems Biology
- Mathematical Modelling and Information technologies
- Methods for diagnosis and treatment appliances and technologies
- Radiation Protection
- Risk communication and Risk management
  Radiology and Roentgenology
  Biophysics
- Legislation and Standards
- Metrology
- Education, Training and Qualification
- Biomechanics
- Processing of biomedical signals
- Molecular dynamics
- Thermoscience
- Photodynamic therapy
- Biomedical Optics
- Biosensors
- Bio-Micro and Nanotechnologies
- Systems of information databases in healthcare and telemedicine

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Plenary lecturers

1. **Prof. Slavik Tabakov,** PhD, CSci, FIPEM, FHEA, FIOMP, Hon. Prof.
   Programme Director for MSc in Medical Engineering & Physics and MSc Clinical Sciences; President IOMP
   Co – Editor of Journal Medical Physics International – www.mpijournal.org
   Dept. Medical Engineering and Physics; King's College London – School of Medicine
   Faraday Building, King's College Hospital, London SE5 9RS, UK
2. **Prof. Boris Tenchov**, DSc.- president of BSBPE; Head of Department Medical Physics and Biophysics; Faculty of Medicine; Medical University-Sofia; 2 Zdrave st.; Sofia-1431; Bulgaria
3. **Prof. Jenia Vasileva**, PhD- radiation protection specialist- International Atomic Energy Agency (IAEA); Radiation Protection of Patients Unit; Vienna, Austria
4. **Prof. John Damilakis,** PhD. -president of EFOMP; Chairman of Medical Physics Dept. Faculty of Medicine, University of Crete. Greece.
5. **Prof. Alexander Petrov**, DSc.- president of Union of Physicist in Bulgaria; Director of Institute of Solid State Physics Bulgarian Academy of Sciences-BAS; Sofia, Bulgaria
6. **Prof. Lytchezar Avramov** DSc., - Director of Centre of Photodynamic therapy; Bulgarian Academy of Sciences-BAS; Sofia; Bulgaria
7. **Prof. Shoogo Ueno**, DMSc.,- Kyushu University, Fukuoka · Department of Applied Quantum Physics and Nuclear Engineering, Kyushu, Japan
8. **Prof. Charles Samut,** Ph.D.(Bath),C.Sci,C.Phys.,M.Inst.P.,M.I.E.E.E.- Dean Faculty of Science; Head of Dept. of Physics; University of Malta, La Valletta, Malta.
9. **Prof. Rumiana Bakalova**, DMSc.- National Institute of Radiological Sciences-Chiba, Chiba, Japan; Sofia University "St. Kliment Ohridski"; Faculty of Medicine; Sofia, Bulgaria
10. **Prof. Atanas Krystev**, DSc.- Vice president of Medical university-Plovdiv; Head of department of Medical Physics and Biophysics; Plovdiv, Bulgaria
11. **Assoc. prof. Alexander Loukanov**, PhD.- Department of Chemistry, Faculty of Science, Saitama University, Shimo-Ohkubo 255, Sakura-Ku, Saitama City, 338-8570, Japan.
12. **Assoc. prof. Sergey Podtaev,** PhD.- Russian Academy of Sciences, Moscow, Russia

Important dates

30th July 2016 Deadline for abstract submission
30th August 2016 Second announcement with notification of acceptance
30th August 2016 Deadline for early payment of registration fee
30th September 2016 Deadline for submission of the full text of papers and posters

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