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Title **International Conference on "Advancements of Medicine and Health Care through Technology – MediTech2011"**

Category Professional

Description

E-health and medical bioengineering in general. EHB promotes concepts and advanced hardware and software technologies in the emerging domains of e-health, medical devices and instrumentation, biosignal and image processing, biomechanics, biomaterials, biotechnologies, healthcare management, also for some younger disciplines like bioinformatics, systems biology or virtual physiological human. Another objective is to strengthen the interdisciplinary synergy between medical and technical researchers and practitioners, within the generous framework of medical bioengineering, in order to establish and promote advanced scientific concepts, methods and technologies for medical services and healthcare in Romania and enlarged Europe. In this respect, a special attention will be granted in the next years to targeting research to the real needs of patients of the 3-rd millennium, through different national and international projects and partnerships. Today medicine cannot be thought and practiced without the help of Information Technology and Telecommunications (IT&C) and computers are used more and more together with medical equipment and physicians' working set. In fact, all the domains of clinical and experimental medicine have been developed with the direct help of IT&C. Thus, the future big challenge for health care domain will be the creation of a National Health Information Infrastructure, which will link all practices and practitioners in the country and must be a permanent concern at the highest level of governmental institutions. Telemedicine and e-health in Romania and particularly in Iași exceeds the level of other more or less theoretical approaches and demonstrative issues. Its maturity was already proven by real time transmission and analysis of some vital biosignals of patients, within the Romanian Telemedical Regional Centre located at the Faculty of Medical Bioengineering of 'Gr.T. Popa' University of Medicine and Pharmacy in Iași, which was developed by a local team. So, our intention is to promote procedures for teleconsultation, telediagnosis and telemonitoring, providing an alternative to be employed in the healthcare system that could be made available "every time and anywhere" for those persons who need such a public service. An extension of the previous system will be the deployment of an internet-based metropolitan network of hospital information systems (HIS) in Iași, that will allow extensive exchange of all kind of medical information between individual hospitals and clinics, teleconsultations by using mobile devices and also the access of patients to their own medical files. The Main objectives of the scientific manifestation were: The increase of the Romanian education performances in the context of its alignment to the European Community Education; Promotion and capitalization of the Romanian research in this field; Identification of international collaboration projects through contact promotion of foreign scientists that attended to the manifestation; Introducing the new opportunities from Cluj County to the foreign scientific personalities due to Romania adhesion to E.U.

Keywords Health Care Technology, Medical Devices, Measurement and Instrumentation, Medical Imaging, Image and Signal Processing, Modeling and Simulation, Molecular Bioengineering, Biomechanics

Guest Attendance 20

IEEE Member Attendance 10

Admission Charge true

Invite Students true  
Start Time 2011-08-30 11:30:00  
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Time Zone Etc/GMT+2  
Cosponsor Name National Society of Medical Engineering and Biological Technology, IEEE (Romanina Section), EMB (natl. chapter)  
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## Location

Region 8  
Section ROMANIA  
OrganizationalUnit EMB18  
City Cluj-Napoca  
State/Province Cluj  
Country Romania

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## 1st Speaker

Topic Workshop: Marie Currie: Career Opportunities for Researchers Dr. Gabriela Crisan, Research Officer, „Babes Bolyai” University Cluj-Napoca, Romania  
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