

MEDICON 2010

*XII Mediterranean Conference
on Medical and Biological Engineering
and Computing*

*May 27-30
Chalkidiki, Greece*

The XII Mediterranean Conference on Medical and Biological Engineering and Computing

<http://www.medicon2010.org>

EXTENDED CALL FOR PAPERS

Call for papers

It is our great pleasure to invite you to participate in the 12th Mediterranean Conference on Medical and Biological Engineering and Computing - the MEDICON 2010. After 21 years, the MEDICON conference is coming back to Greece, this time in a grand resort of Greece, the Porto Carras in Chalkidiki. The MEDICON conferences are international events of high scientific standards with long lasting tradition held every third year in one of the Mediterranean countries under the auspices of the International Federation for Medical and Biological Engineering.

MEDICON 2010 is intended to provide an international forum for discussing the latest results in the field of medical and biological engineering and computing. The scientific program of MEDICON 2010 will consist of invited keynote talks given by leading scientists in the field, and regular and special track sessions and workshops that cover a broad array of issues which relate technology and computing to (bio)medicine.

Authors are invited to submit their research contributions or practical (industrial) experience reports. All papers will be peer reviewed by at least two referees. The conference provides its attendees with an opportunity to experience state-of-the-art research and development in a variety of topics directly and indirectly related to their own work, as well as an opportunity to come up-to-date on important technological issues involved in the enhancement of education in biomedical engineering and related fields.

Topics

The list of conference topics includes but is not limited to:

- Assistive Technologies & Ambient Intelligence
- Artificial Intelligence and Intelligent Data Analysis in Medicine
- Biomaterials
- Biomechanics
- Biomedical Engineering Education and E-learning
- Biomedical Instrumentation and Measurement
- Biomedical Signal Processing
- Biomedical Image Processing
- Brain Research and Analysis of EEG
- Cardiovascular System
- Clinical Engineering
- ECG Analysis
- E-Health
- Elderly Care Support
- Ethical Issues
- Functional Electrical and Magnetic Stimulation
- Gait and Motion Analysis
- Health Care Technology Assessment and Management
- Health Information Systems
- Interfaces research
- Medical Devices
- Medical Imaging
- Quality measures & control
- Patient Safety
- Professional Issues
- Rehabilitation Engineering
- Robotics and Haptics
- Virtual Reality in Medicine
- Women in Engineering

Important dates

Paper submission due: ~~January 18~~, **February 14**, 2010
Notification of acceptance for papers: ~~March 4~~, **March 5**, 2010
Camera ready papers due: March 20, 2010
Conference Dates: May 27-30, 2010

Paper submission and publication

Papers will be published in electronic form as a publication of the MEDICON 2010 Proceedings which will be available to registrants of the conference when the conference opens. The proceedings will be published within the peer reviewed Springer Verlag IFBME Proceedings Series. Each contribution must be prepared according to the IFBME Proceedings Series format. Manuscripts should be up to four (4) pages long and should be submitted electronically before the paper submission deadline (18 Jan 2010) using the paper submission link of the conference web site (www.medicon2010.org). All submissions will be peer-reviewed by at least two reviewers. All accepted papers will be included in the conference proceedings, provided that at least one registration is attached to it before March 20, 2010 in order to be included in the conference proceedings. Authors must accept the copyright conditions which will be given on the Conference Website.

For further questions, please contact the MEDICON 2010 Secretariat: medicon2010@med.auth.gr

Special Workshops

There will be two specially organised workshops in MEDICON 2010:

- **BME AND MP EDUCATION: CURRENT TRENDS IN EUROPE**
- **WEB-BASED APPLICATIONS IN HEALTH CARE & BIOMEDICINE**

The MEDICON 2010 Young Investigators Awards

The MEDICON 2010 awards committee will try to identify scientific projects, technologies and innovations from young investigators that potentially will have a path-breaking impact on the further development of biomedical engineering. Awards will be presented to the winners at the Closing Ceremony of the Conference (May 30, 2010)

Satellite events:

THE 7TH EUROPEAN SYMPOSIUM ON BIOMEDICAL ENGINEERING (ESBME)
THE 3RD PANHELLENIC CONFERENCE ON BIOMEDICAL TECHNOLOGIES

Committees

Conference Chairs	Local Organising Committee Chair	International Scientific Committee Chairs	Program Committee Chairs
Nicolas Pallikarakis Panagiotis D. Bamidis	Costas Pappas	Ratko Magjarevic Marcello Bracale	Dimitris Koutsouris Nicos Maglaveras

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Organised and Supported by

