Call for submissions

We invite you to submit a broad range of contributions related to the latest achievements in eHealth, biomedical and health informatics. The specific focus for the MIE2012 conference is the various roles of eHealth in pursuing benefits seen in quality of life for patients, health-care personnel, citizens and the society. We encourage you to submit a contribution about methodologies and applications, successful stories or lessons learned from not so successful projects in the health-care domain.

The MIE2012 Scientific Programme Committee (SPC) invites you to submit contributions in form of:

- **Full papers**
- **Posters**
- **Panels**
- **Workshops**
- **Short communications**
- **Tutorials**

Moreover the MIE2012 '**Village of the Future**' invites proposals for presentation of national, regional and European projects and initiatives demonstrating quality improvements in the form of materialized project ideas and innovations. The SPC encourage project leaders from both research institutions and companies to send proposals for active participation.

Each type of submission is described in detail below. Please observe that an individual can act as submitting author for only one contribution within each specific submission type.

Types of contributions

Full paper (Deadline January 15, 2012, 23:59 UTC)
Full papers are scientific papers, future vision papers or review papers related to methodologies and/or applications. Full Paper structure includes: title, names, affiliations, locations (city, state, and country) of all authors, abstract (up to 200 words), and 4-6 keywords; body of text: introduction, methods, results, discussion, and references. The maximum length of a paper submission is five A4 camera-ready pages, and should strictly follow the formatting rules of the provided IOS Press template. All submitted papers will be subject to a peer-review process by three independent reviewers. Accepted full papers will be included in the MIE2012 Proceedings, indexed in MEDLINE and published by IOS Press; they will be available also on the Conference CD-ROM, and on the EFMI website. Presenters of accepted full papers are allocated 15 minutes, discussion included. The best presentations will be nominated for submission as an article in Methods of Information in Medicine.

Poster (Deadline January 15, 2012, 23:59 UTC)

A poster is a scientific contribution related to methodologies and/or applications, which is better presented graphically than verbally. The authors should prepare their proposal that includes: title, names, affiliations, locations (city, state, and country) of all authors, abstract (up to 200 words), and 3-5 keywords; body of text: introduction, methods, results, discussion, and references. The maximum length is three A4 camera-ready pages according to IOS Press template. All poster proposals are subject to peer-review by three reviewers. Accepted posters will be included in the MIE2012 Proceedings, indexed in MEDLINE and published by IOS Press; they will be available also on the Conference CD-ROM, and on the EFMI website. A poster should be prepared as in A1 or A0 format, and be presented in the scheduled poster sessions at MIE2012. The best presentations will be nominated for submission as an article in Methods of Information in Medicine.

Workshop (Deadline March 1, 2012, 23:59 UTC)

A workshop is aimed at discussing a scientific subject with active engagement of the audience with a clear objective/methodology/outcome that can be stated. A workshop involves 4-6 speakers, who introduce the subject. The duration of a workshop is 90 minutes. The authors should prepare their proposal that includes: title, names, affiliations, locations (city, state, and country) of all authors, abstract (up to 200 words), and 3-5 keywords; body of text: introduction of the topic, aim for discussion, specific contributions by each speaker, and expected outcome. The maximum length is three A4 camera-ready pages, prepared according to the provided IOS Press template. All workshop proposals are subject to review by members of the Scientific Programme Committee. All accepted workshop proposals will be available on the MIE2012 conference CD-ROM and on the EFMI website. Registration of the involved speakers is mandatory for final acceptance and publication of the workshop. The submitters of the best workshops will be asked to provide an extended paper with the achieved results of the workshop. These papers will be nominated for publication in European Journal for Biomedical Informatics.

Panel (Deadline March 1, 2012, 23:59 UTC)

A panel is a moderated discussion of an important theme by domain experts (panelists). The discussion of each controversial item starts with short statements by the panelists. A panel involves 4-6 panelists, and the duration of a panel is 90 minutes. The authors should prepare their proposal that includes: title, names, affiliations, locations (city, state, and country) of all authors, abstract (up to 200 words), and 3-5 keywords; body of text should include: an introduction of the topic and a description of the focus for each panelist. A panel proposal is three A4 camera-ready pages, prepared according to the provided IOS Press template. Panel proposals are subject to review by members of the Scientific Programme Committee. All accepted panel proposals will be available on the MIE2012 conference CD-ROM and on the EFMI website. Registration of the involved panelists is mandatory for final acceptance and publication of the panel. The submitters of the best panels will be asked to provide an extended paper with the summation of the discussion of the panel outcomes. These papers will be nominated for publication in European Journal for Biomedical Informatics.

Short communication (Deadline March 1, 2012, 23:59 UTC)

A short communication is a scientific contribution about work in progress. All proposals are subject to review by the Scientific Program Committee. The proposal should include: title, names, affiliations, locations (city, state, and country) of all authors, abstract (up to 200 words), and 4-6 keywords; body of text: introduction, methods, results, discussion, and references. Contributions should not exceed the maximum of three camera-ready A4 pages, according to the IOS Press template. All accepted proposals will be available on the conference CD-ROM and on the EFMI website. Accepted short communications will be presented as a 10 minutes oral presentation or as a poster according to the preference of the authors and the SPC decisions.

Tutorial (Deadline March 1, 2012, 23:59 UTC)

A tutorial is aimed at introducing and elaborating on a special topic according to an educational model and encouraging active engagement of the audience. A tutorial may involve three instructors, and the duration of a tutorial is 180 minutes. The proposal should include: title, names, affiliations, locations (city, state, and country) of all authors/teachers, abstract (up to 200 words), and 4-6 keywords; body of text: a rationale, target audience, pre-requisite knowledge, educational goals, a summary of the specific contribution of each teacher. The submitted tutorial proposal is up to three A4 camera-ready pages, prepared according to the IOS Press template. All the tutorial proposals undergo review by the Scientific Program Committee. All accepted tutorial proposals will be available on the conference CD-ROM and on the EFMI website. Registration of the involved instructors is mandatory for final acceptance of the tutorial.

'Village of the Future' proposal (Deadline April 15, 2012, 23:59 UTC)

The "Village of the Future" is a vivid *agora* where national, regional and European projects and other initiatives can present, demonstrate, discuss and eLounge sharing materialized ideas, innovations and creating new coalitions for the future. We invite you to submit proposals for the village like: presentation, demonstration, living poster, collaborative session, participation in the Mash-Up Marathon to integrate eHealth applications or other forms of expressing the future. The village is open to all "citizens", with a focus on our young generation, presenting innovative initiatives and results. In particular proposals are welcomed based on technologies like the Semantic web, social media and web 2.0/3.0, which contribute to new ways of health-care delivery and guiding citizens, patients and health professionals towards to higher quality of life. A special area of the *agora* will be devoted to the European eHealth Education Alliance initiative to facilitate exchange and creation of programs for e-health strategy, social software, wiki-education for eHealth, capacity building and education of the workforce and citizens in eHealth. The results will be linked to the Summit of the European and US alliances' effort to develop eHealth policy imperatives, planned to take place during the MIE2012.

The final structure of the "Village of the Future" will be based on the accepted contributions. Village participants are invited to submit their ideas as a proposals using the IOS Press template and include: an abstract (up to 200 words), names, affiliations, and locations (city, state, and country) of all authors, a text addressing the topic, and your preferred way of presentation. All proposals will be reviewed by the SPC and if accepted you will be contacted by the "Lord Mayor of the village" about the realisation of your contribution. All accepted proposals will be available on the conference CD-ROM and on the EFMI website. All presenters have to register for the conference.

General requirements

For all submissions, please see instructions for authors, as you prepare your camera ready contribution strictly adhering to the IOS Press template's formatting requirements. The structure and length of the paper depends on the chosen contribution type. Go to the online submission at http://www.mie2012.it for detailed instruction for the submission process. Final acceptance and publishing of a contribution to MIE2012 is conditioned on the following:

- submitted in due time for the type of contribution
- revision of the contribution according to reviewers' or SPC's suggestions
- formatted strictly adhering to the requirements specified in the provided IOS Press template
- the presenting author(s) are registered to the conference and delegate fees are paid, no later than May 7, 2012 (early bird deadline).

Important Dates and Deadlines

Contributions for MIE2012 can be submitted until the deadline stated for the submission-type you choose. Please observe the following important dates:

- **January 15, 2012**: Submission deadline for *full papers, and posters.*
- **March 1, 2012**: Submission deadline for *panels, workshops, short communications, and tutorials.*
- **March 27, 2012**: Notification of results of reviews of *full papers, posters, panels, workshops, short communications, and tutorials.*
- **April 15, 2012**: Submission deadline for '*Village of the Future' proposals.*
- **April 17, 2012:** Resubmission deadline for camera ready *full papers, posters, panels, workshops, short communications, and tutorials.*
- **May 2, 2012**: Notification of final acceptance for all contributions.
- **May 7, 2012**: Registration deadline for presenting authors. **NB. If the author of a contribution has not registered, the contribution will be excluded!**
- **August 26 – 29, 2012**: MIE2012 Conference in Pisa, Italy

Classification of your submission

The conference addresses, but are not limited to, the following categories and themes:

· Methodology (Qualitative and Quantitative)
  · *Information and Knowledge Representation*
  · *Information and Knowledge Processing*
  · *Empirical Research Methodologies*
· Applications (Systems, Goals, Problems, Policies)
  · *Quality of Life through Quality of Information*
  · *Health-care service delivery.*
  · *Policy, Financing and Stewardship*
  · *Research and Education*
  · *Specific Topics*

A more comprehensive list of Categories, Themes and Topics:

Categories, Themes and Topics

A. Methodology (Qualitative and Quantitative)

A.1 Information and knowledge representation

Terminologies, Vocabularies, Ontologies (e.g. SNOMED, ICD 10, ICF, ICNP, LOINC)
Process models, Information models, Data models (e.g. workflows, databases)
Knowledge representation incl. images, video, audio (e.g. guidelines, protocols)
Visualization
Other

A.2 Information and Knowledge Processing

Information storage and retrieval
Natural Language processing
Data Mining
Speech Recognition
Reasoning and Decision Theory

Advanced Algorithms
Software Engineering Methodologies
Human Computer Interaction
Computer Supported Collaborative Work
Biosignal Processing
Other

A.3 Empirical Research Methodologies
Need and Requirement Analyses
Evaluation Studies (incl. Experiments, Social, Organizational studies)
Cognitive Studies
Usability Studies
Economic Studies
Other

B. Applications (Systems, Goals, Problems, Policies)

B.1 Quality of Life through Quality of Information – Core topic of MIE2012
Evaluation of benefits for e-health direct and indirect users
Supporting Processes, Planning and Collaboration
Empowering Patient – Health-care Provider- Caregiver Interaction
Social Networking for health
Health Information for the Public
Effectiveness of just in time information for the care process
Continuity of information for continuity of care
Cross-Border Applications
Accessibility and Usability of Heath IT
Support for people with special needs and aging society
Integrated health care delivery
Other

B.2 Health-care service delivery
Electronic Health, Patient and Personal Health Records
Electronic Prescription and Order Entry
Computer Aided diagnosis Systems
Computer Assisted Medical Procedures (e.g. assisted surgery, robotics, rehabilitation)
Clinical Decision Support Systems
Clinical Guidelines and Protocols
Integrated Care Programs
Systems to support Nurse's activities
Nursing Informatics
Telemedicine and tele-rehabilitation
Medical Imaging
Biosensors and Devices for eHealth Services
IT integrated solutions in Laboratory Medicine (e.g. automation, control and efficiency of diagnostic processes)
Other

B.3 Policy, Financing and Stewardship
Health Care policy Issues
Health Economics aspects of ICT (e.g. cost-effectiveness analysis, cost-benefit/ cost-

utility analysis, resource utilization, epidemiology of cost and delivery of care)
System Implementation and Management
Changing the health system paradigm
Security, Privacy, Ethics
Patient Safety, Medical Errors and Quality Assurance
Other

B.4 Research and Education
Enhancing Research and Trials
Supporting eHealth Research and Trials
Bioinformatics
Translational Research and Translational Medicine
Knowledge Fusion and Semantic Web
Distance Learning and Digital Repository for Case-Based Reasoning
Education and training of Students, Professionals and Citizens

B.5 Specific Topics
Disease Management (health-care personnel, patient and caregiver point of view)
Disease Surveillance and management of Outbreaks
Crisis management of health issues in Natural Disasters and Catastrophies
Resource-poor Settings and Digital divide
Public Health Informatics
Social care Informatics

B.6 Free Topic

Awards

We welcome nominations of full papers and posters to the following MIE2012 awards:

- The Peter L. Reichertz Memorial Prize will be awarded to the best scientific paper by a young researcher' not older than 30 years.
- The Rolf Hansen Memorial Prize will be awarded to the best paper on electronic health records.
- The Best Poster Award will be for the best poster presenting an innovative idea and application.

On behalf of the Scientific Programme Committee and the Local Organising Committee for MIE2012 we are looking forward to your contributions !

| M. Cristina Mazzoleni | John Mantas |
| Chair of the Local Organising Committee | Chair of the Scientific Programme Committee |