

Call for Papers and Posters

Special Session on

Information Reuse and Integration in Health Informatics IRI-HI 2011

Organized as part of the 12th IEEE International Conference on Information
Reuse and Integration (IEEE IRI-2011)
Tuscany Suites & Casino, Las Vegas, USA
August 3-5, 2011
<http://www.sis.pitt.edu/~iri2011/>

For paper submission: <https://www.easychair.org/account/signin.cgi?iid=30289>
Choose the IRI-HI 2011 track

The advancement in technology and computational science influenced a wide range of fields, including research in clinical leading to health informatics as emerging vital research area which is attracting more attention in academia and industry. Health informatics combines computational science and the clinical world for better treatment of patients; it deals with resources, devices, and methodologies required for optimizing the acquisition, storage, maintenance, retrieval, and use of healthcare information and resources for effective diagnosis and treatment of patients.

The target of this research track is to bring together professionals, researchers and practitioners in the area of health informatics to present, discuss, share the latest finding in the field, and exchange ideas that address real-world problems with real-world solutions.

Topics covered by IRI-HI 2011 include but are not limited to work in progress as well as cutting-edge and novel findings on the latest trends and developments in health informatics, encompassing areas such as:

- Clinical and hospital human resource management and performance analysis
- Computer aided diagnosis.
- Computational biomedicine, genomics, proteomics, transcriptomics, metabolimics, sociogenomics
- Controlled and optimized utilization of resources
- Data analysis and disease biomarker prediction
- Data mining and machine learning techniques in health informatics.
- Drug design, disease diagnosis and control
- e-health and web-based information services
- Evaluation and use of information technology in healthcare
- Healthcare applications of mobile and pervasive technologies
- Human-computer interaction
- Future developments in technologies and applications
- Intelligent Health Information Systems & Decision Support Systems
- Integration and sharing of heterogeneous health information systems
- Integration and sharing of heterogeneous health data sources
- Information and image retrieval
- Language parsing methods in biomedicine
- Modelling, simulation and evaluation of healthcare services
- Mobile solutions for sharing information in healthcare services
- Patient tracking and monitoring: spatio-temporal models

- Privacy protection and data security in health informatics systems
- Process management and collaborative work
- Reuse in Health Information System development and maintenance
- Signal processing and streaming databases
- Spread and control of epidemics
- Social network modelling and analysis in health informatics
- User interfaces and visualization for health informatics systems

We encourage researchers to submit full research papers (6 pages), short research papers (4 pages), and posters (2 pages) reporting work in progress. All accepted papers from the three types of submissions will be included in the proceedings to be published by IEEE Press. Full and short papers will be scheduled for presentation during the conference. Posters will be included in the poster session which is open for discussion with participants.

Extended versions of selected papers will be invited for journal publication.

Important Dates:

March 28, 2011	Submission of abstract (Recommended)
April 05, 2011	Paper submission deadline
May 14, 2011	Acceptance Notification
May 28, 2011	Camera-ready paper due
May 28, 2011	Presenting author registration due
June 30, 2011	Advance (discount) registration for general public and other co-author
July 15, 2011	Hotel reservation (special discount rate) closing date
August 3-5, 2011	Conference events

Special Session co-chairs:

Tansel Özyer TOBB University, Ankara Turkey

Jia Zeng, Baylor College of Medicine, Huston, TX, USA

Keivan Kianmehr University of Western Ontario, London, ON, Canada