

Call for Papers and Posters

Workshop on

Information Reuse and Integration in Health Informatics IRI-HI 2012

Organized as part of the 13th IEEE International Conference on Information
Reuse and Integration (IEEE IRI-2012)
Tuscany Suites & Casino, Las Vegas, USA
August 8-10, 2012

<http://www.sis.pitt.edu/~iri2012/>

For paper submission: <https://www.easychair.org/account/signin.cgi?timeout=1;conf=iri2012>
Choose the IRI-HI 2012 track

The advancement of technology and computational science has influenced a wide range of fields, including clinical research leading to health informatics as an emerging vital research area which is attracting more attention in academia and industry. Health informatics combines computational science and the clinical world to help improve the 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 goal of this research track is to bring together professionals, researchers and practitioners in the area of health informatics to present, discuss, and share the latest finding in the field, and exchange ideas that address real-world problems with real-world solutions.

Topics covered by IRI-HI 2012 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, metabolomics, 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 and 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:

April 23, 2012	Submission of abstract (Recommended)
April 30, 2012	Paper submission deadline
May 25, 2012	Acceptance Notification
May 31, 2012	Camera-ready paper due
May 31, 2012	Author registration due
TBA	Advance (discount) registration for general public and other co-author
TBA	Hotel reservation (special discount rate) closing date
August 8-12, 2012	Conference events

Workshop General Chair:

Taghi M. Khoshgoftaar, Department of Computer and Electrical Engineering and Computer Science, Florida Atlantic University, Boca Raton, Florida, USA

Workshop Co-Chairs:

Keivan Kianmehr, University of Western Ontario, London, ON, Canada
 Shang Gao, University of Calgary, Calgary, Alberta, Canada
 Wadhah Almansoori, Alberta Health services, Calgary, Alberta, Canada