Call for Papers

Full Papers, Position Papers and Posters

International Symposium on Network Enabled Health Informatics, Biomedicine and Bioinformatics
HI-BI-BI 2013
In conjunction with ACM/IEEE ASONAM 2013
Niagara Falls, Ontario, Canada

26 – 27 August 2013

For paper submission: https://www.easychair.org/conferences/?conf=hibibi2013

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 HI-BI-BI 2013 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 (8 pages), short research papers (6 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 CPS. 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:

May 08, 2013	Submission of abstract (Recommended)
May 15, 2013	Paper submission deadline
June 30, 2013	Acceptance Notification
July 10, 2013	Camera-ready paper due
July 10, 2013	Presenting authors registration due
August 25-28, 2013	Conference events

Symposium co-chairs:
Jia Zeng, Baylor College of Medicine, Huston, TX, USA
Mehmet Tan TOBB University, Ankara Turkey

General Co-Chairs
Ghada Naji Lebanese University, Tripoli, Lebanon
Mohammed Zaki Rensselaer Polytechnic Institute

Program Co-Chairs
Mehmet Tan TOBB University of Economics and Technology, Ankara, Turkey
Jia Zeng MD Anderson Cancer Center, USA

Publicity Co-Chairs
Alper Aksac TOBB University of Economics and Technology, Ankara, Turkey
Omar Addam University of Calgary, Calgary, AB, Canada

Web Chair
Omar Zaarour University of Calgary, Calgary, AB, Canada