Managing Interoperability & complexity in Health Systems

held in conjunction with
20th ACM International Conference on Information and Knowledge Management, CIKM’11
http://www.cikm2011.org/

Friday 28th October 2011, Glasgow, Scotland, U.K.

MIXHS’11, will be a forum focussing on the latest advances in bio-medical semantics and electronic health information & knowledge management research.

Issues of biomedical data-mining in large heterogeneous clinical data-sets, information retrieval and extraction in multiple medical repositories, the management of complexity and the coherent update of knowledge in medicine, clinical standards interoperability in distributed health systems and the patient Electronic Health Record (EHR) are now becoming critical to implementing enterprise and nationwide health systems. Topics of interest will include knowledge management activities seeking to address these issues by: (i) using clinical data mining, information extraction and retrieval (ii) standardisation of clinical classifications, large scale biomedical terminologies and ontologies development (i.e. SNOMED CT), (iii) the standardisation of clinical information transfer formats (i.e. HL7) and (iv) structuring of clinical documents (Clinical Document Architecture, CDA & EHR). The workshop will provide a forum for sharing design and implementation solutions for managing clinical data and integrating current and future e-health systems infrastructures.

IMPORTANT DATES:

Workshop Submissions Due: June 29, 2011
Notification of Acceptance: July 29, 2011
Camera Ready: August 12 2011
WORKSHOP: 28th October 2011
Best Papers will be invited to submit extended versions of their submission to one of 2 Journal Special issues:

- **Journal of Biomedical Semantics**
  

3 Prizes for Travel Reimbursement Awards for best Papers in the Challenges and Visions / Work in Progress Track:

$1,000, $750, and $500

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**Submit Your Paper:**

- **Journal of Biomedical Semantics**
  

**Submission to Journal Special Issue:**

30th November 2011

**Notification to Journal authors:** 15 January 2012

**Topics of Interest, include but are not limited to:**

- Bio-medical Data-Mining, Information retrieval and extraction and NLP on biomedical text
- Inference and statistical Models of diseases & Multi-morbidity
- Clinical Information Retrieval, Management and Normalization
- Medical Knowledge Representation and Reasoning, Expert and Clinical Decision Support Systems
- Interoperability in Distributed healthcare Systems
- Clinical Information Standards (e.g. HL7) Clinical Terminologies, Classifications (e.g. ICD 10) and biomedical ontologies (e.g. SNOMED - CT)
- Hospital Enterprise Information Management Systems, Electronic Health Record, (EHR), Clinical Document Architecture

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**Technical Program Committee (preliminary):**

- Alberto Anguita-Sánchez, Univ. Politécnica de Madrid, Spain
- Adam Dunn, University of New South Wales, Australia
- Mikel Egaña-Aranguren, UPM, Spain
- Robert Freimuth, Mayo Clinic, U.S
- Guoqian Jiang, Mayo Clinic, U.S
- Paea LePendu, Univ. of Stanford, U.S
- Hongfang Liu, Mayo Clinic, U.S
- Saturnino Luz, University of Dublin, Trinity College, Ireland
- Frances Mair, University of Glasgow, Scotland, U.K.
- Masood Masoodian, University of Waikato, New Zealand
- Federica Paganelli, Dept. of Elec. & Telecommunications, Italy
- Craig Parker, Intermountain Health Care, U.S
- Jyotishman Pathak, Mayo Clinic, U.S
- Rafael Richards, John Hopkins, Univ., U.S
- Paul Taylor, Univ. College London (UCL), U.K.
- Fusheng Wang, Emory Univ., U.S
- Jim Zheng, Medical University of South Carolina, U.S

**Submission Guidelines:**

- **Full research papers:** 8 pages, ACM
- **Challenges and Visions/Work in Progress Track:** 4 pages, ACM

All papers must be submitted in an electronic format which conforms to the ACM proceedings style and submitted as PDF files. Please use the ACM templates (the "Option 2" style).

To submit your paper, go to:

[https://www.easychair.org/conferences/?conf=mixhs11](https://www.easychair.org/conferences/?conf=mixhs11)

At least one author of each accepted paper must register for the workshop. Information about registration is provided at CIKM 2011 Web page: [http://www.cikm2011.org/](http://www.cikm2011.org/)

**Venue:**

Crowne Plaza in Glasgow.