

# HIS'15 CALL FOR PAPERS

<http://his-conferences.org/2015>

28<sup>th</sup> - 30<sup>th</sup> May 2015, Melbourne, Australia



## The 4th International Conference on Health Information Science

The 4th International Conference on Health Information Science (HIS 2015) provides a forum for disseminating and exchanging multidisciplinary research results in computer science/information technology and health science & services. HIS 2015 aims to integrate computer science/information technology with health sciences & services, embracing information science research coupled with topics related to the modelling, design, development, integration, and management of health information systems and health services. It covers all aspects of the health information sciences and the systems that support this health information management and health service delivery. The scope includes:

1. Medical/health/biomedicine information resources, such as patient medical records, devices and equipments, software and tools to capture, store, retrieve, process, analyse, optimize the use of information in the health domain;
2. Data management, data mining, and knowledge discovery (in health domain), all of which play a key role in decision making, management of public health, examination of standards, privacy and security issues;
3. Development of new architectures and applications for health information systems.

### Topics include, but not limited to:

- Information systems including electronic health records, hospital information systems, data exchange and integration
- Health service delivery, workflow
- Data mining, knowledge discovery, decision making support
- System interoperability, ontology and standardization
- Bioinformatics
- Biomedical informatics, Brain informatics, Imaging informatics
- Telemedicine, Health data management
- Health database and information-system integration
- Health information extraction, Health information services
- Health information-system modeling, design, and development
- Health information visualization
- Support tools and languages for health information-system development
- Information system interface
- Data integration, Data processing
- Data federation, sharing, and mining
- E-health care delivery
- Distributed computing, Pervasive computing in content of e-health
- Information storage and retrieval in e-health
- Innovative applications in e-health
- Integration of heterogeneous information sources
- Agent systems with e-health

## Conference Organisation

### General Co-Chairs

Yanchun Zhang, Victoria University, Australia

Michael Blumenstein, Griffith University, Australia

### PC Co-Chairs

Xiaoxia Yin, Victoria University, Australia

Kendall Ho, The University of British Columbia, Canada

Daniel Zeng, The University of Arizona and Chinese Academy of Sciences

Uwe Aichelin, The University of Nottingham, UK

### Industry Program Chair

Jeffrey Soar, University of Southern Queensland, Australia

Lei Liu, Fudan University, China

### Conference Organisation Chair

Hua Wang, Victoria University, Australia

### Publication Chair

Rui Zhou, Victoria University, Australia

### Financial Chair

Irena Dzuteska, Victoria University, Australia

### Publicity Co-Chairs

Xiaohui Tao, University of Southern Queensland, Australia

Jenna Reys, University of Nottingham, UK

### Tutorial Chair

Xingshe Zhou, Northwestern Polytechnical University, China

### Panel Chair

Lei Wang, Shenzhen Institute of Advanced Technologies, Chinese Academy of Science, China

### Workshop Chair

Chaoyi Pang, Zhejiang University (NIT), China

## Paper Submission

HIS 2015 is using the EasyChair conference management system. The submission website is at: <https://www.easychair.org/conferences/?conf=his2015>.

Please submit your research papers and follow the instructions on the web page. The submission deadline is November 15, 2014.

## Workshops and Panels

In addition to technical and industry contributions, HIS2015 invites proposals for workshops and panels. For workshops, HIS'15 will provide administrative support for workshop room booking, registration, and publication. All papers accepted by HIS'15 workshops will be published in a combined volume of Lecturer Notes in Computer Science series published by Springer (pending for approval). Workshop Proposals should be sent as e-mail attachments to [HIS.Conf@gmail.com](mailto:HIS.Conf@gmail.com)

## Publications

The HIS2015 Proceedings will be published by Springer. Papers should be submitted in LNCS format as PostScript or PDF files, and may not exceed 12 pages for regular paper, industry papers up to 6 pages.

## Special Issues

Selected papers from the conference will be invited to submit extended versions to journals: Health Information Science and Systems, Transactions on Scalable Information Systems, and World Wide Web.

## Important Dates

Paper Submission due:	November 15, 2014
Acceptance notification:	January 15, 2015
Camera-ready due:	February 15, 2015