World Congress on Pathology Informatics

1st World Congress on
Pathology Informatics

www.wcpi07.org

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Health Informatics Society Australia Ltd.

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World Congress on Pathology Informatics

ANNOUNCEMENT AND CALL FOR PAPERS

**1st World Congress on
Pathology Informatics**

Brisbane Convention Centre
16 & 17 August, 2007

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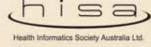
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HISA and API invite you to the First World Congress on Pathology Informatics, Brisbane Australia.

The Health Informatics Society of Australia and the Association for Pathology Informatics take great pleasure in inviting you to the first World Congress on Pathology Informatics to be held 16th-17th August 2007 immediately prior to MedInfo in Brisbane Australia.

The Congress addresses key pathology informatics issues from both a regional and technology perspective. The program is supported by a field of eminent invited speakers, who on the first day will highlight practical examples of innovation across the globe by geographic region and on the second day there will be updates on eight of the most important themes in pathology informatics, namely:

■ **Automation** - Leveraging pathologist's knowledge with workforce shortage; probabilistic diagnosis; machine learning; laboratory processes

■ **Digital Microscopy** - Sharing; searching; analysing pictures

■ **Omics** – Will the laboratory of the future only need micro arrays, NMR spectroscopy and a mass spectrometer?; bioinformatics in pathology

■ **Shared Care** - Pathology's role in the shared EHR

■ **Disease Surveillance** - Registries; early warning systems; eNotification

■ **Standards Development** - Messaging; terminology; decision support

■ **Pathology Order Entry** - Guideline representation; decision support; terminology

■ **Micro Electro-Mechanical Systems** – Single chip analytical systems

In addition to these invited reviews, there will be 16 twenty minute presentations of the best submitted work based on peer review. We look forward to you joining us for this landmark event.

Prof Ul Balis
President 2007, Association for Pathology Informatics

Prof Michael Legg
Chairman, Health Informatics Society of Australia Ltd

Invited Speakers Include:

■ Prof Michael Becich: University of Pittsburg
■ Prof Kojo Elenitoba-Johnson: University of Michigan
■ Prof Jonathan Kay: John Radcliffe Hospital, Oxford
■ Prof Mark Routbort: MD Anderson Cancer Center, Houston
■ Prof Ronald Tompkins: Harvard Medical School
■ Prof Francis Bowling: Mater Childrens Hospital, Brisbane
■ Prof Sam Heard: OpenEHR Foundation
■ Prof Mehmet Toner: Harvard Medical School

Congress Overview

The first World Congress on Pathology Informatics will provide an insightful perspective on the leading issues in pathology informatics by combining a geographic view of technology application together with a series of invited presentations from world experts in the critical technology fields. These keynote and invited speakers will be supported by a series of submitted scientific presentations.

The first day of the two day conference is structured with the opening keynote presentations followed by a series of world pathology informatics updates from the Asia, Australasia, Europe, South America and the US. The day will end with a series of submitted scientific papers.

Day two starts with invited speakers on the topic themes, covering Automation, Digital Microscopy, Micro Electro-Mechanical Systems, Omics, Shared Care, Pathology Order Entry, Disease Surveillance, and Standards Development. These activites will be followed by the submitted scientific presentations and a workshop on international harmonisation.

There will be an opening reception on the evening of Wednesday August 15th before the conference starts and a conference dinner on Thursday August 16th.

Submission Announcement
Paper submission due the 2nd January 2007

A general call for abstracts and full papers is now open. The closing date for these submissions is January 2nd 2007.

While abstacts will be accepted the submission of full papers is strongly encouraged. All accepted papers will be published. Paper and abstract acceptance will follow an international peer-review process with final acceptance letters sent by 28th February 2007. Selected presenters will have a short period of time to edit or add to their submissions prior to publication and presentation.

The WCPI paper manuscript kit (author guidelines) which covers paper submission guidelines for the World Congress on Pathology Informatics is available from **www.wcpi07.org**

Your completed manuscript submission needs to be uploaded electronically via the WCPI website **www.wcpi07.org** and your submission will be receipted once received.

Schedule of Congress Events
Wednesday August 15th
Evening reception

Thursday August 16th
Morning Session:
Keynote Presentations
- The future of medicine in the era of intergrated knowledge
- Pathology informatics; in the brave new world

Pathology Informatics World Updates – Australasia, Europe and the US

Afternoon Session:
Keynote Presentations
- Translational medicine - from bench to bedside

Pathology Informatics World Updates – South America Africa, Asia and Eastern Europe

Scientific Session I:
- Submitted scientific papers

Poster Session

Evening
Congress Dinner

Friday August 17th
Morning Session:
Theme presentations
- Automation
- Omics
- Disease Surveillance
- Digital Microscopy
- Shared Care
- Standards Development
- Micro Electro-Mechanical Systems
- Pathology Order Entry

Scientific Session II - *Afternoon session:*
- Submitted Scientific Papers

Workshop on International Harmonisation

Conference summary

Why should you attend?

The scientific content of the conference promises to be world class, but as the first ever World Congress in Pathology Informatics you will also be able to participate in the making of history.

Pathology informatics, as both an academic and applied discipline of pathology, is in a rapid period of growth, as the practice of pathology continues to transform into a knowledge-based specialty. With the advent of a multitude of "Omics" modalities, and their massively parallel data sets, poised to enter the continuum of clinical testing and reporting, there will be extensive need for suitable expertise in the pathology disciplines to successfully steward this information to the clinician.

Pathology is seeing a similar area of explosive discovery and deployment in the field of digital imaging, largely made possible by the recent introduction of digital whole slide capture technologies. With the availability of such tools, there are many new possibilities for automation and enhancement of traditionally manual workflow processes. Additionally, there is growing evidence that our repositories will soon expand to encompass digital imagery and will similarly provide new modalities of query, where images themselves will become the target of searches (region-of-interest based image query).

Finally, laboratory automation is now a permanent fixture in our practice regimens, and it will be increasingly called up to play a role in enhancing quality and throughput while at the same time decreasing expense and staffing requirements. This trend is further enabled by the recent deployment of Lean/ Six Sigma approaches – tools that have already proven themselves in the mass production settings of many manufacturing industries (such as the automotive industry). One of the numerous tracks of this Congress is fully dedicated to providing a complete and up-to-date review of this important field.

With all the current trends indicating a transformation to electronic representation of knowledge, it is imperative that we work together on a world-wide basis to ensure that domain-specific data can be seamlessly exchanged. Towards this goal, a full track of the Congress is assigned to this imminent need for standards and seamless interoperability, as well as for reviewing solutions already available for deployment.

In summary, this Congress is designed to address the current developments in all the major aspects of applied and investigational Pathology Informatics and consequently, the basic scientist and clinical laboratorian alike will find the content to be of immediate value in their professional growth.

This World Congress in Pathology Informatics is a satellite conference to MedInfo and as such provides a wonderful lead in to the first International Medical Informatics Association meeting to be held in the southern hemisphere.

Whether you go to MedInfo or not it gives you the chance to visit a stunning country with great natural beauty and a reputation for friendly people.

Who should attend?
- Pathologists, laboratory managers and scientists, practice managers and IT professionals working in or associated with pathology laboratories
- CEO's, CIO's and Hospital Managers in facilities with pathology operations
- Government planners, political scientists, health system and public health researchers
- Developers of testing equipment, assays and electronic health records
- Clinicians with interest in laboratory diagnostics
- Researchers and educators in pathology

Host Organisations

Health Informatics Society of Australia (HISA)
The Health Informatics Society of Australia (HISA) is the national member of the International Medical Informatics Association (IMIA). HISA's members include health and information professionals with a common interest in using information to improve health outcomes. HISA provides an Australian national focus for health informatics, its practitioners, industry and users.

It advocates on behalf of its members and provides opportunities for learning and professional development in health informatics including through hosting the leading annual conference and exhibition in Australasia, the Health Informatics Conference.

Association for Pathology Informatics (API)
The Association for Pathology Informatics (API) is a non-profit association dedicated exclusively to the field of service and research in pathology informatics. Its mission is to promote the field of pathology informatics as an academic and a clinical subspecialty of pathology.

Summary of dates (2007)
- Submission of Abstracts: 2nd of January
- Notification of acceptance: 28th of February
- Conference reception: 15th of August
- Conference day 1: 16th of August
- Conference dinner: 16th of August
- Conference day 2: 17th of August

Exhibition and Sponsorship
WCPI will host an extensive trade exhibition of leading pathology systems providers. There are also a number of sponsorship opportunities and packages available, some with associated exhibition space. It is advised that interested exhibitors and sponsors contact the WCPI secretariat (joan.edgecumbe@hisa.org.au) early to confirm their requirements or call HISA on +61 3 9388 0555.

Registration Information
A very early bird registration will be available for the last quarter of 2006. Go to **www.wcpi07.org** for all registration and conference details.

All credit cards will be accepted for registration and accommodation bookings.

Your accommodation bookings must contain a one night booking rate fee for confirmation.

Accommodation bookings without payment will not be confirmed. Accommodation bookings with the Secretariat will close on 20th July 2007. Your registration and accommodation booking details are available from www.wcpi07.org website.

Registration fees will include full conference catering, session break refreshments and lunches.

Your special dietary requirements can be accommodated at your request. Similarly disability or special physical needs will require defining with your registration.

The Social program, tutorials and tour events will attract a separate charge.

Registration	Dates of importance
Very early bird: $(AUD)880 (inc taxes) member and non member registration	Available to December 31, 2006
Early bird: $(AUD)935 (inc taxes) member and non member registration	Available to April 30, 2007
Standard: $(AUD)1,100 (inc taxes) member and non member registration	Available to August 15, 2007
Author/Presenter $(AUD)825 (inc taxes) *A reduced registration rate is available for the primary presenting author or the primary lead presenter of a demonstration, poster or panel.*	Available to February 28, 2007
Student: $(AUD)825 (inc taxes)registration *Student registrations MUST present proof of full time student status, valid student ID plus a letter of confirmation from the University.*	Available to August 15, 2007
ON SITE: $(AUD)1,210 (inc taxes) *registration will be available at the venue*	Available to August 17, 2007

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