



**riding the wave
of technology**

6 – 8 October 2008

**Wilderness Beach Hotel
Garden Route, Wilderness
South Africa**

**Annual Conference of the South
African Institute of Computer
Scientists and Information
Technologists**

Programme Committee

Programme Committee

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Charmain Cilliers, NMMU, South Africa

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Sanjay Madria, University of Missouri-Rolla, USA
Gary Marsden, University of Cape Town, South Africa

First Call for Papers

SAICSIT'08 is the premier South African forum for research into computer science, information systems, and information technology. The conference is held under the auspices of the national society, SAICSIT (www.saicsit.org.za). Following a history of very successful SAICSIT conferences, we invite you to submit papers for the 2008 event. SAICSIT'08 is an international conference and contributions from all parts of the world are warmly welcomed.

SAICSIT'08 will be co-hosted by the Department of Computer Science and Information Systems and the School of ICT, both from the Nelson Mandela Metropolitan University in Port Elizabeth. This year's conference will be held on the Garden Route, at the Wilderness close to George.

The conference will be hosted over 3 days, with the first day (Monday) being restricted to the presentation of research offered by Masters and Doctoral students to their peers and supervisors. The remainder of the conference (Tuesday and Wednesday) will include some keynote addresses and research papers. Students that presented at the student symposium will also on these days exhibit posters based on their work.

The wave of technology is a metaphor for the rapid development, uptake, evolution and obsolescence of technology (and computer technology in particular) in modern societies. Technology transforms societies, provides new ways of communicating and interacting, creates opportunities for economic growth and betters the lot of humanity when used in an ethical way. The wave of technology is ridden by those who do research and development and those who use technology. It is exciting to ride and full of change and turmoil.

Computer Scientists and Information Technologists are at the forefront of the researchers who ride the wave. SAICSIT has showcased the research of these researchers, both emerging and established, since 1982. The non-exhaustive list of topics for SAICSIT'08 appears below. We encourage local and international researchers to submit fundamental and applied papers for this premier conference of Computer Scientists and Information Technologists.

Topics

The topics below are given as a guideline, not to put constraints on submissions. Submissions on any topic in the field of Computer Science, Information Systems and information technology will be considered.

Bioinformatics software	Human computer interaction
Community informatics	Indigenous knowledge systems
Computer supported co-operative work	Knowledge management
Data mining	Mobile computing
Digital forensics	Model driven architectures
Digital repositories and libraries	Natural language understanding
E-government and e-commerce	Next generation networks
Enterprise architecture	Security and trust management
Ethics and informations systems	Social contexts of computing
Grid computing	Software construction
Health informatics	Telecommunications
High Performance Computing	Ubiquitous & pervasive computing

Research Papers

Research papers present significant intellectual and technical contributions by researchers and practitioners to basic research, development, and practice in all areas of computer science and information systems. Papers will be submitted electronically and will be reviewed by at least two members of the Programme Committee. Accepted papers will published in a way that would enable a subsidy claim under the South African subsidy rules. More information to follow later.

Irene Mavommati, Patras University, Greece
Mohamed Mosbah, University of Bordeaux 1, France
Dirk Muthig, Fraunhofer Institute Kaiserslautern,
Germany
Martin Olivier, University of Pretoria, South Africa
Phillipe Palanque, Université Toulouse 3, France
Jackie Phahlamohlaka, CSIR, South Africa
Anet Potgieter, UCT, South Africa
Laurette Pretorius, UNISA, South Africa
Kai Rannenberg, Goethe University, Frankfurt
Regina Bernhaupt, University of Salzburg, Austria
Karen Renaud, University of Glasgow, UK
Sujeet Shenoj, University of Tulsa, USA
Paula Alexandra Silva, Lancaster University, UK
Daniel Sinnig, Concordia University, Canada
Hussein Suleman, University of Cape Town, South Africa
Tang Changjie, Sichuan University, China
Theda Thomas, ACU National, Australia
Darelle van Greunen, NMMU, South Africa
Alison Varey, Napier University, Edinburgh, Scotland
Herna Viktor, University of Ottawa, Canada
Roussouw von Solms, NMMU, South Africa
Åke Waldius, HCI-group/CSC/KTH, Sweden
Bruce Watson, Consultant, South Africa
Janet Wesson, NMMU, South Africa
Alf Zugenmeier, NTT DoCoMo Euro-labs, Germany

Organising Committee

Jean Greyling, NMMU (chairman)

Assisted by various members of the Department of
Computer Science and Information Systems at the
Nelson Mandela Metropolitan University, Port Elizabeth

Industry oriented papers / Case studies

In a bid to foster more communication between industry and academia, SAICSIT'08 solicit papers / case studies from industry members. Industry papers will be reviewed separately from research papers. Marketing material unfortunately is not acceptable.

Tutorials / panel discussions

If you wish to present a tutorial or suggest a panel discussion, please do so by contacting the organizers on saicsit@nmmu.ac.za

Student Research Symposium

SAICSIT'08 offers a unique opportunity for postgraduate students at Masters and Doctoral levels to actively engage with knowledgeable and experienced researchers on the first day of the conference. Successful students will be required to present their research during the dedicated sessions, and will also be required to display their work by means of a poster for the duration of the conference. Posters can highlight achievements or work in progress, but should emphasize the applicability of the work to the conference theme.

Submission is restricted to students enrolled at tertiary education institutions.

Follow-up to Birchwood Colloquium

As a follow-up to the Birchwood Colloquium of 2007, a Research Grand Challenge Workshop is planned for 6 October. This will be a joint venture of SAICSIT, the CSSA and Rhodes University. Further details will follow.

Important Dates

Final date for submission of abstracts :	26 May 2008
Final date for submission of papers :	23 June 2008
Submission of Postgraduate Symposium papers :	1 August 2008
Notification of acceptance to authors :	8 August 2008
Final papers due :	29 August 2008
Postgraduate Research Symposium :	6 October 2008
SAICSIT 2008 :	7 – 8 October 2008