

**Third Indo-Australian Conference on Information Technology Security
(IACITS 2007)
held at Queensland University of Technology
Brisbane, 9-10 July, 2007**

SUMMARY

The theme for this two day conference was

**e-Service-eSecurity
The Growing Challenge for Critical National Infrastructure**

and the aim was to bring together leaders from both countries to examine these vital factors, from legal frameworks to security technology, particularly from a national policy development perspective.

Overview

The IACITS series of conferences started in 2005 to explore areas of interest in education, and research and development between academia and industry in India and Australia in the area of information security and assurance. The goal is to increase understanding and foster collaboration between the two countries.

The Queensland University of Technology's (QUT) Information Security Institute hosted the conference with senior delegations representing industry, government and academia from both India and Australia.

The event framework consisted of a series of moderated presentations and discussions around the conference theme "**eServices-eSecurity: The Growing Challenge for Critical National Infrastructure.**" A copy of the program, booklet and a flyer are attached.

The conference was well attended. A total of 57 delegates attended the workshop. This consisted of:

- 11 Australian Speakers
- 9 Indian Speakers
- 27 QUT Staff and Students
- 10 Government and Industry delegates

IACITS



Third Indo-Australian Conference on Information Technology Security

Theme:

eServices-eSecurity: The Growing Challenge for Critical National Infrastructure

IACITS-2007, the third Indo-Australian Conference on Information Technology Security, will bring together leaders from both countries to examine these vital factors, from legal frameworks to security technology, particularly from a national policy development perspective.

Date:

9-10 July, 2007

Location:

Room Z1064, Level 10, "Z" Block, at
Queensland University of Technology (QUT)
2 George Street
Brisbane, Queensland, Australia

Summary:

In healthcare, banking and finance, transport, government services and numerous other enterprises the move towards a "service oriented architecture", mainly through the use of the "web services" paradigm, for the creation and maintenance of ICT systems is accelerating. Moreover, those enterprises are often the ones responsible for the reliable operation and protection of the critical infrastructures of a nation, from power/energy supply to transport to telecommunications and many other areas.

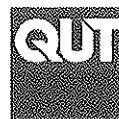
However, this movement has important information systems security and assurance challenges at all levels. From the management of large-scale, terabyte store information servers in government to the safety of citizens connecting into a national "information grid" via commodity level PCs at home or in the office, to the acceptance of the risks involved in the rapid move to information service access via mobile, wireless-connected portable units, the imperative to incorporate "next generation" ICT security functionality and verification is clearly evident. The move to "eServices" needs to be examined against the need for higher levels of trust by the populace in the information systems used for critical activities.

IACITS 2007 Web Address: <http://www.isi.qut.edu.au/events/conferences/iacits07/>

Contact :

Elizabeth Hansford
IACITS 2007 Coordinator
Tel: (07) 3138 9573
Fax: (07) 3221 2384
Email: e.hansford@qut.edu.au

Hosted by:



isi

Information Security Institute

IACITS

Third Indo-Australian Conference on Information Technology Security

eServices-eSecurity: The Growing Challenge for Critical National Infrastructure

IACITS-2007 will bring together leaders from both countries to examine these vital factors, from legal frameworks to security technology, particularly from a national policy development perspective.

Venue: Level 10, Function/Meeting Room (Room Z1064), QUT

Date: 9-10 July, 2007.

CONFERENCE PROGRAM

Programme Co-Chairs:	Professor Ed Dawson <i>Research Director, Information Security Institute (ISI), QUT</i> Professor S V Raghavan <i>Professor of Computer Science and Engineering, Indian Institute of Technology (IIT), Madras</i>
----------------------	--

Monday, 9th July, 2007

08:45 – 09:15

Registration

**Session 1:
Introduction and
Overview**

09:15 – 10:15

Welcome by Co-Chairs:

Professor Ed Dawson

*Research Director, Information Security Institute,
Queensland University of Technology
and*

Professor S V Raghavan

*Professor of Computer Science and Engineering,
Indian Institute of Technology (IIT), Madras*

Opening Address (A Queensland Perspective) by:

Hon Mike Ahern

*Special Representative (Africa, Middle East and India)
Department of the Premier and Cabinet*

Opening Address (The Australian IT Landscape today) by:

Professor Simon Kaplan

*Executive Dean, Faculty of Information Technology
Queensland University of Technology*

Morning Tea

**Session 2:
Critical Infrastructure
Protection**

10:45 – 11:45

India

Critical Infrastructures of a Nation:

Dr M S Vijayaraghavan
Executive Director (SETS)

and

Prof S V Raghavan,
*Professor of Computer Science and Engineering,
Indian Institute of Technology (IIT), Madras*

Session Chair:

Bill Caelli

Australia

Australia's Critical Infrastructure Protection Branch Activities

Mr Richard Czumak

Assistant Director, National Information Infrastructure, Security and Critical Infrastructure Division, Attorney Generals Department

11:45 - 12:45

India

Government services: Systems Security and Information Assurance challenges:

Ms Ratnaboli Ghorai Dinda

National Informatics Center

Australia

e-Security: Safeguarding National Information Systems

Mr Chris Marsden

Director, Critical Infrastructure Security, Security Branch, Department of Communications, IT & Arts (DICTA)

12:45 – 13:45

Lunch

**Session 3:
Security in Service
Oriented Systems**
13:45 – 14:45

India

Service Oriented Architecture:

Prof S Kuppuswami

Pondicherry University

Session Chair:
Andrew Clark

Australia

Securing Service Oriented Architectures:

Mr Paul Ashley

Lead Architect, SOA Advance Technologies, IBM Australia

14:45 – 15:15

Afternoon Tea

**Session 8:
Security of Financial
Systems**
15:15 – 15:45

India

Security in Banking and Finance – Indian Experience:

Mr S S Sarma

Scientist, Department of Information Technology, Gol

Session Chair:
Colin Boyd

**Session 4:
Transport Security**
15:45 – 16:15

Australia

Security Issues in Queensland Rail:

Mr Walter Williams

Chief Risk Officer, Risk Unit, Queensland Rail

Session Chair:
Colin Boyd

**Session 5:
Issues in Security
Infrastructure**
16:15 – 17:1

India

National Information and Computation Grid:

Dr P S Dhekne

Associate Director, Bhabha Atomic Research Centre (BARC)

Session Chair:
Colin Boyd

Australia

Control Systems for Widely Dispersed Electricity Infrastructure:

Mr Simon Bartlett

Chief Operating Officer, Powerlink

Tuesday, 10th July, 2007

Session 6:

Security Issues in Data Management

08:30 – 09:30

Session Chair:
Peter Croll

India

Management of Large-Scale, Terabyte Store Information Servers:

Mr S Ramakrishnan

Director General, Center for Development of Advanced Computing (C-DAC)

Australia

Electronic Government Commercialisation of Information in a Federated System:

Dr Adrian McCullagh

Special Counsel, Phillips Fox, Lawyers

Session 7:

Security in e-Services

09:30 – 10:30

Session Chair:
Peter Croll

India

eServices: Need for higher levels of trust by the Populace:

Dr C Chellappan

Professor, Anna University, India

Australia

Information Security Management in the Public Service:

Dr John Harrison

iDivision, Brisbane City Council

10:30 – 11:00

Morning Tea

Session 8:

Security of Financial Systems

11:00 – 11:30

Session Chair:
George Mohay

Australia

Security in a Flat World

Mr Vishnu Bhat

Chief Operating Officer, Infosys Australia

Session 9:

Issues in Mobile Security

11:30 – 12:30

Session Chair:
George Mohay

India

Risks in Information Service Access via Mobile Devices:

Suganya Annadurai

Society for Electronic Transactions and Security (SETS), Chennai

Australia

Security in Mobile Systems

Professor Vijay Varadharajan

Microsoft Chair for Innovation in Computing, Macquarie University

12:30 – 13:30

Lunch

Session 10:

Security in Health Systems

13:30 -14:30

Session Chair:
Colin Fidge

India

Healthcare:

Dr K Ganapathy

Head Telemedicine, Apollo Hospitals

Australia

Privacy and Security in National e-Health Systems:

Professor Peter Croll,

Professor of Software Engineering, Faculty of Information Technology, Queensland University of Technology

Session 11:
Next Generation
14:30 – 15:30

Session Chair:
Colin Fidge

India
Next Generation ICT Security Functionality and Verification:

Australia
Next Generation Security Management and Optimisation
Mr Grae Meyer-Gleaves
Information and Communication Technology (ICT) Services, Data #3

15:30– 16:00

Afternoon Tea

Session 12:
16:00 – 17:00

Panel session to discuss **Security in Next Generation e-Services Systems**

To be led by the following:

India
Professor S V Raghavan
Department of Computer Science and Engineering, IIT Madras

Panelists:

Dr. M S Vijayraghavan, ED, SETS.
Dr P S Dhekne, Associate Director, BARC.
Dr. K. Ganapathy, Apollo Hospitals, Madras,

Australia
Professor William (Bill) Caelli, AO
Faculty of Information Technology, Queensland University of Technology

Panelists:

Professor Vijay Varadharajan
Dr A McCullagh, Phillips Fox



Australian Government

Australian Education International



isi

Information Security Institute