



# CONFERENCE PROGRAMME

WEDNESDAY 16 JULY 2008	
	<b>Optional Social Function</b>
5.30 – 7.30pm	Young Professionals Cocktail Function <i>(All delegates are invited to register to attend this function)</i>
THURSDAY 17 JULY 2008	
	<b>Pre Conference Workshops</b>
9.00am – 5.00pm	Workshop 1 – Cadastral Surveying
9.00am – 5.00pm	Workshop 2 - GIS Programme Management
9.00am – 12.00pm	Workshop 3 – LiDAR Applications and Operation
9.00am – 12.00pm	Workshop 4 – Quickclose Surveying & Geodesy Software
9.00am – 12.00pm	Workshop 5 – 3D Visualisation by VIZMAP
1.00pm – 5.00pm	Workshop 6 – Co-Ordinate System Refresher
1.30pm – 5.00pm	Workshop 7 – Spatial Certification
2.00pm – 5.00pm	Workshop 8 – Open Source Geospatial: How Can Your Organisation Take Advantage?
1.00pm – 4.00pm	<b>Exhibition Community/School Visits</b> Visits to the exhibition by community/schools interested in the spatial industries
	<b>Social Function</b>
5.00pm – 7.00pm	<b>Welcome Reception Cocktail Function</b>
FRIDAY 18 JULY 2008	
8.00am – 4.45pm	<b>Registration desk open</b>
9.00am	<b>Conference Welcome</b>
9.00am - 9.45am	<b>Keynote Speaker – Learning to Live with Climate Change</b> <b>IAN KIERNAN AO</b> , Chairman and Founder, Clean Up Australia and Clean Up the World
9.45am – 10.30am	<b>Keynote Speaker - Climate Trends, Projections, and Potential Impacts - New Opportunities for the Spatial Information Industry</b> <b>PROFESSOR ROGER STONE</b> , Professor in Climatology and Water Resources & Director Australian Centre for Sustainable Catchments, University of Southern Queensland
10.30am – 11.00am	<b>MORNING TEA WITH EXHIBITORS</b>

<p><b>11.00am – 12.30pm</b></p>	<p><b>Concurrent Sessions:</b></p> <p><b>Session 1A: Land Development and Planning</b></p> <ul style="list-style-type: none"> <li>▪ Place-Based Indicators And Planning Support (65)</li> <li>▪ GIS-Based Evaluation Of Rural Economic Opportunity In Hunchy, Queensland (51)</li> <li>▪ 'You Can't Eat Bricks And Mortar' The Use Of Spatial Techniques To Define Agricultural Lands (49)</li> <li>▪ Planning Decision Support – Australian Examples (52)</li> </ul>	<p><b>Session 1B: Spatial Data Management and SDI</b></p> <ul style="list-style-type: none"> <li>▪ Market and Non-Marketing Responses To Supply and Demand Applied To Government Information (9)</li> <li>▪ Platform For Environmental Modelling Support: A Demonstrator Of Grid Cell Data Infrastructure for Australia (38)</li> <li>▪ Spatial Data Infrastructure for Emergency Management: Cyclone Scenario (44)</li> <li>▪ Unlocking The Potential of Spatial Information - It's a Two Way Street (58)</li> </ul>	<p><b>Session 1C: Web Mapping and Data Delivery</b></p> <ul style="list-style-type: none"> <li>▪ The Geo-Archive – Documenting Decisions Derived From Spatial Web Services (11)</li> <li>▪ OzCoasts - Online data delivery and maps for Australia's coast (27)</li> <li>▪ Geo-placed Knowledge: Developing A Methodology For Provisioning Stakeholders In Natural Environments Management With Integrated media tools (47)</li> <li>▪ Dekho-Enabling Intelligent Web Based Mapping And Data Delivery (50)</li> </ul>
<p><b>12.30pm – 1.45pm</b></p>	<p><b>LUNCH WITH EXHIBITORS AND POSTER SESSION</b></p> <ul style="list-style-type: none"> <li>▪ A Semi-dynamic Geodetic Datum for Papua New Guinea (56)</li> <li>▪ Are Rare Plant Species "Falling Through The Cracks" Of Conservation Strategies Based On Community? (61)</li> <li>▪ Are the Vegetation Communities of Southeast Queensland Adequately Protected? (63)</li> <li>▪ The Application Of Remote Sensing For Water Resource Management (64)</li> <li>▪ Modelling of Water Use Efficiency In Data Sparse Environment Using High Spatial Resolution Optical-Thermal Satellite Data (67)</li> </ul>		
<p><b>1.45pm – 3.00pm</b></p>	<p><b>Concurrent Sessions:</b></p> <p><b>Session 2A: Helping to Manage our Water Resources</b></p> <ul style="list-style-type: none"> <li>▪ Digital Elevation Model Accuracy Requirements for Catchment Management (31)</li> <li>▪ Spatial Techniques For Delineation And Characterisation Of Riparian Zone (54)</li> <li>▪ The Spatial Approach to Water Storage in Southeast Queensland (23)</li> <li>▪ Modelling Of Water Use Efficiency In Data Sparse Environment Using High Spatial Resolution Optical-Thermal Satellite Data (67)</li> </ul>	<p><b>Session 2B: GPS/GNSS – New Developments and Solutions</b></p> <ul style="list-style-type: none"> <li>▪ How Stable Is GDA94 And When Will An Update Be Necessary? (55)</li> <li>▪ The Revolution in Global Navigation Satellite Systems and Implications for Rural Industries in Queensland (26)</li> <li>▪ SunPOZ : Supporting Sustainable Land Management (35)</li> <li>▪ The Operational Benefits Of A State Wide SunPOZ Network For EPA/QPWS (33)</li> </ul>	<p><b>Session 2C: Spatial Information Across Environments</b></p> <ul style="list-style-type: none"> <li>▪ Facilitating Coastal Zone Inundation Awareness Using GIS-Based Scenario Modelling And Multimedia Visualisation (2)</li> <li>▪ The Oceans Portal (5)</li> <li>▪ A Comparison Of Various Techniques For Digital Classification Of Urban Environment (29)</li> <li>▪ Utilities and Local Government... Are Our Geospatially Enabled Professionals Ready For Climate Change? (36)</li> </ul>



# CONFERENCE PROGRAMME

3.00pm – 3.30pm	<b>AFTERNOON TEA WITH EXHIBITORS</b>		
	<b>Concurrent Sessions:</b>		
3.30pm - 5.00pm	<p><b>Session 3A: The Spatial Dimension of Climate Change</b></p> <ul style="list-style-type: none"> <li>▪ Applications of the Information Queensland Atlas to Climate Change Investigations (18)</li> <li>▪ Using Demographic Data to Understand Communities and Planning for Natural Disasters (4)</li> <li>▪ Applying Bayesian Belief Networks in the Spatial Analysis of Climate Change Vulnerability in the Sydney Coastal Councils Group Region (39)</li> <li>▪ Comparing mapped differences in climate change scenarios (62)</li> </ul>	<p><b>Session 3B: Spatial Innovation in Infrastructure and Construction</b></p> <ul style="list-style-type: none"> <li>▪ Application of GIS in Understanding and Communicating Interaction between Environmental Parameters and Sewer Blockages (34)</li> <li>▪ Minimal Erosion Solutions For Earthen Structures (40)</li> <li>▪ The Convergence of CAD Standards and GIS: A Discussion of Design and As Constructed Workflows and Data into Utilities and Councils (48)</li> <li>▪ The Emergence Of Location Intelligence In Infrastructure And Construction (57)</li> </ul>	<p><b>Session 3C: Spatial Solutions</b></p> <ul style="list-style-type: none"> <li>▪ Case Studies In 3D Visualisation (59)</li> <li>▪ Metadata Matters - Surfing Government Information through the GIC (6)</li> <li>▪ A Study Of Aviation Impacts Near Australia's Major Airports (30)</li> <li>▪ Resolution Enhancement from Multiple Video Images Having Arbitrary Mutual Motions (42)</li> </ul>
5.00pm	<b>Close of Day 1</b>		
6.30pm	Buses depart Holiday Inn Surfers Paradise		
7.00pm – 11.30pm	<p><b>Conference Dinner (Includes QSIC Queensland Spatial Excellence Awards Gala Dinner), Warner Bros. Movie World</b></p> <p><b>Theme: Casablanca/1940s</b></p>		



# CONFERENCE PROGRAMME

## SATURDAY 19 JULY 2008

8.00am – 3.30pm	<b>Registration desk open</b>	
9.00am - 9.45am	<b>Keynote Speaker –</b> SUSAN JOHNSON, Chief Information Officer, Charlotte-Mecklenburg Schools, North Carolina, USA and President of the International Urban and Regional Information Systems Association (URISA)	
9.45am – 10.30am	<b>Keynote Speaker - Creative Commons Licensing of Information</b> PROFESSOR BRIAN FITZGERALD, Professor, Law Faculty, Queensland University of Technology and Barrister, Supreme Court of Queensland and High Court of Australia	
10.30am – 11.00am	<b>MORNING TEA WITH EXHIBITORS</b>	
11.00am – 12.30pm	Concurrent Sessions:	
	<b>Session 4A:</b> <b>New Horizons – Spatial Information Challenges</b> <ul style="list-style-type: none"> <li>▪ Solutions in Hand – Working Towards The Mobile Spatial Workforce in the EPA (32)</li> <li>▪ Open Access and E-science (13)</li> <li>▪ The Government Information Licensing Framework - Moving Open Access from Pipe Dream to Paradise (7)</li> <li>▪ Second Generation Lidar Scanners - A New Paradigm In Infrastructure Mapping? (66)</li> </ul>	<b>Session 4B: The Cadastre and Land Information</b> <ul style="list-style-type: none"> <li>▪ Towards Digital Lodgement of Cadastral Survey Data in Australia (19)</li> <li>▪ Foundation Information for a Changed World (8)</li> <li>▪ The Use of Digital Cadastral Data within the Department of Natural Resources and Waters Survey Systems (20)</li> </ul>
		<b>Session 4C: GIS Development and Applications</b> <ul style="list-style-type: none"> <li>▪ BioSIRT – A New Bio-Security Incident Management System (60)</li> <li>▪ A Mobile Mapping System with Dead-Reckoning: Filling the Gaps in Densely Forested Areas (28)</li> <li>▪ Site Location Studying for Rubbish Burial in Sari City Using Fuzzy Logic (3)</li> </ul>
12.30pm – 1.45pm	<b>LUNCH WITH EXHIBITORS</b>	



# CONFERENCE PROGRAMME

1.45pm - 3.00pm	<p>Concurrent Sessions:</p> <p><b>Session 5A: Spatial Imagery and Remote Sensing Applications</b></p> <ul style="list-style-type: none"> <li>▪ Predictive Mapping Of Blackberry In The Condamine Catchment Using Logistic Regression And Spatial Analysis (43)</li> <li>▪ An Assessment of Kohonen Self-Organizing Maps for Classification of Temporal MODIS NDVI Patterns of Land Cover (17)</li> <li>▪ Sea Level Trend in Gulf of Thailand Using Satellite Altimetry Data (41)</li> <li>▪ Identification Of Biophysical Parameters Responsible For Forest Fires (53)</li> </ul>	<p><b>Session 5B: Professional Development and Education</b></p> <ul style="list-style-type: none"> <li>▪ Internet Resources and a Web 2.0 Learning Environment for the Enhancement of Satellite Positioning Teaching and Learning (10)</li> <li>▪ Young Surveyors Beyond Horizons (24)</li> <li>▪ Work Integrated Learning: Will it Work for Spatial Science WILers? (15)</li> <li>▪ A Virtual Geomorphic Atlas For Undergraduate Teaching Of Geomorphology (45)</li> </ul>	<p><b>Session 5C: Sustainable Development and the Environment</b></p> <ul style="list-style-type: none"> <li>▪ Building Spatial Data Infrastructure to Support Sustainable Catchment Management (22)</li> <li>▪ Flood Emergency Response Mapping in Maroochy Shire (16)</li> <li>▪ Nautilus Public Transport Network Scoping Study Phase2b (25)</li> <li>▪ Spatial analysis techniques proves useful in projecting biodiversity impacts on the Southern Cassowary in Mission Beach (46)</li> </ul>
3.00pm – 3.30pm	<b>Conference Close</b>		
3.45pm – 5.30pm	<b>Farewell Canapés/Drinks, Poolside (Optional Social Function)</b>		

This Conference Programme is correct at the time of printing, however, the Organisers reserve the right to alter the Programme if necessary.