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Australia's Representative  
International Cartographic Association

September 2012

# MSI- *Connected!*

Newsletter of the Mapping Sciences Institute, Australia

**Celebrating our 60th Anniversary**

## 3D Brisbane – old and new

*Les Isdale*

Delegates to BIGF were treated to a promotional video by Brisbane City Council's Adam Saad. It gave a 'flyover' view of the city. Views including land use and utilities information layers were a fine demonstration of the power of cartography through GIS. The video can be seen online at –

<http://www.brisbane.qld.gov.au/planning-building/planning-guidelines-and-tools/online-mapping-tools/virtual-brisbane/index.htm>

The video was screened both at the conference and at the official dinner – an appropriate decor for the Brisbane International Geospatial Forum, where many technical presentations focussed on this technology.

And the 1886 map? – Adam Saad had expressed an interest in it as part of the MSIA map display. Fortunately, Queensland Division President Adam Ladhams was prepared to donate his map to such a good cause, and it was duly passed on to Adam S. with our compliments and thanks.



## BIGF on the internet

Brisbane International Geospatial Forum left us with a range of excellent presentations available online at – <http://www.imtamaps.org/events/displayevent.php?id=130>. This is the official Conference website, where you will find abstracts of the BIGF conference papers, and biographies of their authors. (Click on Presentation Program with Abstracts)

Many of the papers or presentations have been posted to the site. (Click on individual links). They make compelling reading, and downloads will provide a lasting record of this significant forum.

The entertainment provided at the Conference Reception by the Australian Girls Choir was very well received. You can hear them online at – [http://www.youtube.com/embed/EVy6a1-VB-0?feature=player\\_detailpage](http://www.youtube.com/embed/EVy6a1-VB-0?feature=player_detailpage)

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### Notes from the Conference

*Adam Ladhams, MSIA representative on the Organizing Committee*

Presentation highlights –

**Charlie Reagan:** Media changes from newspapers, radio, movies, television, gaming, mobile phones, Internet. Currently in the golden age mapping due to daily use of maps to locate friends on their mobile phone



or finding a restaurant. Range or suite of products that uses spatial data. Included in the National Geographic archive are geographic projects, map stories and geotropism programs. Geospatial technology is more prolific than most imagine. Consider emerging tech and platforms. Think like a consumer.



**David Fraser:** "crazy people on the fringe to provide innovation". "Change is associated with what can be called a paradigm shift...". Evolution of a discipline. Timeline of cartography and the review of new views, research and theories. 1984 multidisciplinary approach with GIS, CAD.

**Margaret Warren:** power of story, transformations. Bringing the place story and person in the collections. History Pin app.



**Geo design** is a new concept to Australia which will change the way we design cities.



**Georg Gartner:** the short message is that right term to what we are doing. Cartography is considered by some people as old fashioned. Cartography (semantics of) as a term for the industry is relevant,

attractive and modern. There is no better interface to show spatial data than a map.

**Adam reports** that the Forum covered its costs, and he offered Council a number of recommendations for the future.



He suggests that participation by MSIA members might be improved by use of a coloured glossy brochure containing details and a registration form for the conference and posted, to provide something more tangible than an email message. But all the avenues of promotion come into play – email, newsletters (and other publications) and a mailout.

Attendance by MSIA members requires continual promotion of the conference, maintaining an early bird discount, exclusive member rates, and either cheaper registration fees or the offer of a subsidy to student members.

He points out that some members may be less mobile than others or be unable to attend conferences due to restrictive travel costs. To engage members, it could be possible with the advances in technology to live stream presentations from the conference, particularly the keynote address(es).

Adam made suggestions for continuation of the close working relationship with our BIGF partners, ANZMaps and IMTA, and canvass the prospect of a joint conference for 2014, moving early to establish in-principle support, and

consideration of a conference agreement similar to the terms in the BIGF 2012 agreement. Other conference partners should also be identified and included in any initial discussions. Such partnerships would be important if MSIA were to consider bidding for the ICA International Conference in 2019.

He identified the keynote speakers as a highlight of the Forum. They spoke passionately and engaged the audience. Costs associated with their attendance and with the administration assistance provided by Noleen Zander were shared by the three sponsoring organizations. He had recommendations for funding arrangements of future conferences.

Some innovations external to the technical presentations were requested by IMTA and should be considered for future events if adequate resources are available, things like speed networking, special interest forums, (IMTA) map awards, ESRI workshop, trade exhibition, and the golf day.

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**BIGF Footnote:** It was interesting to combine with IMTA and ANZMapS in this event. The three organizations worked well together to produce a forum with a good selection of topics ranging widely across our combined interests. A most successful conference, in professional and financial terms. Congratulations to all concerned – I'm looking forward to the next one.



John McCormack, MSIA National Treasurer.



## Conference People



## The Next Big Thing

Seminar & lunch  Tick Box  
 \$150 MSIA Membership\*\*   
 \$180 Non-members   
 \$100 Students/Commonwealth Seniors   
 card

\*\* MSIA membership include all grades excluding students

Attendance fees for bono fide members of kindred institutions will be the same as for MSIA members.

MSIA is a non profit organization and GST is included within the Hotel package

RSVP by 5:00pm on Tuesday 23rd October 2012

Name _____	
Grade _____	
Organisation _____	
Address _____	
Cheque in mail <input type="checkbox"/>	
Payment on the day. (No credit card facilities available) <input type="checkbox"/>	
IFT & Deposit Payments : <input type="checkbox"/>	
WESTPAC BANK Wollongong <input type="checkbox"/>	
BSB : 032-695 Account No. 185713 <input type="checkbox"/>	

ABN 38 243 794 988

ACN 004 301 811

Please fax or email the above details to confirm your attendance to Hank Staal on 8396 1640 (fax) or email to [msia-nsw@bigpond.com](mailto:msia-nsw@bigpond.com) or [Staal1@bigpond.com](mailto:Staal1@bigpond.com). Enquiries can be made on 8396 1675 (W) or 9872 1405 (H).

Cheques to be made payable to:  
 MSIA - NSW Division  
 Addressed to:- Seminar 2012  
 MSIA - NSW Division  
 GPO Box 4365  
 Sydney 2001



Mapping Sciences Institute Australia  
 New South Wales Division  
 invites you to a  
 Professional Development Seminar

## Utilising Contemporary Mapping

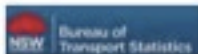
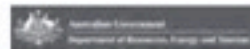


MSIA members are allocated 10 CPD points for seminar attendance  
 SSSI members are allocated 5.0 CPD points for seminar attendance.  
 ISNSW members are allocated 5 CPD points for seminar attendance.  
 Event code for ISNSW is IS12.01

Applications for membership of the Mapping Sciences Institute, Australia are welcomed from any person involved in the mapping sciences. Any person applying for and completing membership requirements prior to this seminar will receive full membership entitlements. For membership Details see NSW Division Web Page at <http://www.msia-nsw.org.au>



- Venue :** Aspire Hotel  
383/389 Bulwara Road  
Ultimo
- Parking :** Limited at cost parking available onsite  
Major parking stations within 1Km
- Time :** Registration 8:45am - 9:15am  
Presentations 9:20am to 4:30pm
- Format :** 8 sessions running consecutively
- Program :**
- |                        |                     |
|------------------------|---------------------|
| 8:45am - 9:15am        | Registration/coffee |
| 9:20 am - 9:35am       | Prelude             |
| 9:35am - 10:10am       | Session 1           |
| 10:10am - 10:50am      | Session 2           |
| 10:50am - 11:10am      | Morning tea         |
| 11:10am - 11:50am      | Session 3           |
| 11:50 am - 12:30pm     | Session 4           |
| <b>12:30pm- 1:20pm</b> | <b>Lunch</b>        |
| 1:20pm - 2:00pm        | Session 5           |
| 2:00pm - 2:40pm        | Session 6           |
| 2:40pm - 3:00pm        | Afternoon tea       |
| 3:00pm - 3:40pm        | Session 7           |
| 3:40pm - 4:20pm        | Session 8           |
| 4:20pm - 4:30pm        | Closing             |



**Graham Butt, NSW Department of Trade & Investment**

**"A changing landscape: accessing spatial data from the Geological Survey of NSW"**

Graham is a geophysicist currently occupying the position of Manager - Geoscience Information with the Geological Survey of NSW. He has been with the Geological Survey for eight years, and before that worked as Business Development Manager with a GIS software vendor, as a Technical Advisor to AusAID and as Managing Director of Geotermex Pty Ltd, a geophysical contracting company. The Geological Survey is currently facing the need to institute extensive changes to the way it provides access to its spatial information and the way it presents these data to the increasingly diverse audience it is required to serve. This talk tackles some of these issues and their potential solutions.

**George Gatz - TMC Domain Architect, Transport Management Centre.**

**"Achieving Transport Wide Incident Management Through the Use of Spatial Systems"**

George has held a number of TMC roles and is part of the TMC's Enterprise Architecture team which is responsible for building and maintaining the business and information technology models of the TMC to manage change and improve existing business processes. There is shift to transport wide incident response management and the TMC which plays a prime coordination role in incident response for NSW, is working with other response organisation to develop an integrated incident response framework.

**Jeff Chandler, Data Presentation Specialist, Transport Management Centre**

**"Using Spatial Systems to Plan for and Execute Major Events."**

Planning for Major events involves the development of various spatial maps that detail traffic management plans. Spatial Systems play an important role in the development of these plan documents.

## THE PRESENTERS

**Kellie Persson, Esri Australia**

**"Your maps anywhere, anytime"**

Kellie studied GIS and remote sensing at the University of NSW. Kellie currently works for Esri Australia, and has done for the last seven years in technical marketing, pre-sales and training roles. She is also the technical director for Directions and Ozri. The growing demand for accessible geographic information is a constant challenge to GIS departments everywhere. This presentation will explore the rich set of tools available to GIS professionals to take their maps from paper to a wider, more public audience.

**Garry Taunton LPI**

**Imagery Programs Manager, Spatial Data Services, Land & Property Information**

Garry will discuss LPI's Imagery Programs development including the current 2012 Sydney Conurbation Imagery Contract and LPI's ADS40 Imagery and LIDAR Forward Programs. Garry has been in the GIS industry for some 38 years, working in NSW Government agencies such as State Forests, Department of Mineral Resources Geological Survey and Land and Property Information. Garry is currently in the Business Development section of LPI and specialises in Imagery Programs development.

**John Weaver, Manager of the Office of Spatial Policy (formerly OSOM) within the Department of Resources Energy and Tourism.**

**"Current Spatial Policy"**

John has worked in the spatial industry at all levels of government over a career spanning almost 40 years. Initially with the Sydney Water Board, then Shoalhaven City Council's Engineering Design Office where he ran training programs in CADD then to the ACT Government's Planning and Land Management agency where he was the spatial database manager. He also taught at TAFE and trained asian students.

**Dr Dipak Paudyal - Intergraph**

**"From the Sensor to the Internet"**

Dr Dipak Paudyal is Regional Manager for Australasia Region for Intergraph. He has got a Master's Degree in Natural resources Management and a PhD in Remote Sensing. Dipak will discuss new business opportunities that exist for data and services providers for not only capturing data, but also delivering the information directly to customers over the internet. Dipak will discuss the potential of ERDAS APOLLO to organize imagery, LIDAR and feature data, enabling users inside and outside an organization to have the ability to find, view and directly use the data and the geographic information and take it a step further by extending the functionality with on-demand geoprocessing.

**Nicole Mahoney - Attorney Generals Department**

**"Understanding the role of Spatial Analysis in Crime Prevention".**

Nicole Mahoney has been working as a Spatial Analyst for the Bureau of Crime Statistics and Research since July 2011. She comes from a background where she completed a GIS degree with a major in Criminal Justice at Flinders University in Adelaide. Her honours thesis researched the spatial influences contributing to the locations of break and enter offences at dwellings in a South Australian Local Service Area. Her current role involves developing hotspot and rate maps for various crimes across New South Wales and responding to requests for information on spatial attributes of crime. This presentation will address the type of crime mapping and spatial analysis undertaken by BOCSAR and the process we undertake to provide the client with useful information which will address their requirements.

**Michael Tanner, Manager Spatial Analysis, Bureau of Transport Statistics (BTS).**

**"Spatial data and its use in NSW 2021 (NSW State Plan)".**

NSW 2021: A Plan to Make NSW Number One sets the Government's agenda for change in NSW. It is a 10 year plan to rebuild the economy, return quality services, renovate infrastructure, restore accountability to government, and strengthen our local environment and communities. It replaces the State Plan as the NSW Government's strategic business plan. The improvement in the availability and quality of spatial data now places geospatial professionals in the position to provide accurate measures for a number of state plan goals. The presentation will focus on the measure building liveable cities. The target for the building liveable cities is to increase the percentage of the population living within 30 minutes by public transport of a city or major centre in metropolitan Sydney. The measure is presented as tabular data; the BTS is proposing to provide a visual element for the measure. The presentation will cover the improvements in operational spatial data, how the availability of data has improved the accuracy of the measure, the issues that arise from a more accurate measure and how the BTS will use geospatial tools to present the measure.

## RMIT University - Geospatial Students Association Dinner – 23<sup>rd</sup> August

*David Fraser*

Student awards were presented to RMIT Geospatial Science students at a dinner held on the 23<sup>rd</sup> August, 2012, in Melbourne.

Many industry representatives attended, along with the committee members of the International Society of Photogrammetry and Remotes Sensing, who were in town to attend the ISPRS Congress which was held in conjunction with the 16<sup>th</sup> ARSPC.

The MSIA representative at the student dinner was David Fraser who presented the MSIA – David McInnes Memorial Prize to Ms Kathryn Holdsworthy.

A student member of the Mapping Sciences Institute, Australia was also awarded two prizes. His name is Mr Danesh Prakash Chacko.

**MSIA wishes to acknowledge the achievement of the prizewinners, and to extend our warmest congratulations.**

A summary of the awards and recipients is given below:



**MSIA - David McInnes Memorial Prize**

**To: Kathryn Holdsworthy**

The student with the best academic results in the final year of the Bachelor of Applied Science (Multimedia Cartography)

**The ESRI Prize for Spatial Information Systems**

**To: Danesh Prakash Chacko**

The student with the best academic results in the third year of the Bachelor of Applied Science in Spatial Information Science



**Surveying and Spatial Sciences Institute Prize**

**To: Danesh Prakash Chacko**

The student with the best academic results in the third year of the Bachelor of Applied Science in Photogrammetry and Remote Sensing.



## Results of the On-line Survey Posted on the MSIA Website

Alan Armitage as Chairman of Executive has reported on the survey, based on the substantial number of responses received. They gave a fairly clear picture of the value members place on our various forms of online communication. The results are encouraging.

The statistical analysis of the survey result is complex, and the graphic may convey the picture more easily.

The recently upgraded website has been well received, and we look forward to its further development to meet member needs.

The on-line newsletter has been found informative, and is fairly widely read. As a blog, the hit rate approached full membership numbers, so we are confirmed in the use of this form of communication.

eCarto is very popular, and many of the links identified by David are pursued with interest, for the wider world-view they bring to cartography.

Both these publications invite contributions by members. It's your story mainly that your colleagues want to hear. There is a general reluctance to take up the invitation, which is a pity. Please give it serious consideration.

The survey may not properly reflect the use by members of the Journal of Spatial Sciences. If in fact you feel that JoSS could better meet your expectations, the Editor will be very pleased to hear your views. We want our 'flagship' publication to be central to our information services to members.

