



Australia's Representative  
International Cartographic Association

# MSI- Connected!

## Newsletter of the Mapping Sciences Institute, Australia

### MAY 2014 EDITION

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DON PEARCE, PRESIDENT

### PRESIDENT'S REPORT

ANZAC Day has just passed and is now generally regarded as our most important National Day. Commemorative services that are held in our cities, major towns and country centres, concentrate on all aspects of our way of life that have made us truly Australian. Stories that are told of individuals and their bravery in impossible circumstances, are sources of inspiration to us all.

Terrible as wars are and particularly World War 1, it is conceivable that without them, we might never know the incredible extent of the human spirit, the bravery and the sacrifices that can be endured in any other circumstances of our lives. Natural disasters come close but the long drawn out battles on land, sea and air over years, set them apart.

The record crowds at dawn services and marches everywhere, are testimony to our country's awareness and appreciation of the sacrifices that have been made to bring us where we are today. What is particularly encouraging is the number of young people participating, especially in such services as Gallipoli and Villers Bretonneux which will ensure that as the veterans pass on, the occasion itself will continue.

I have been fortunate to have been on a special tour of the Somme, Fromelles and Villers retonneux and would recommend them to any one travelling in France. They are very emotional and to see the long lines of crosses above the graves of 18, 19, 20 year old soldiers brings home the horrors of war. Many of the Museums demonstrate the major part played by cartographers in the war with detailed maps everywhere. Also, many of our modern mapping techniques were developed during these wars.

Once again, we have clear evidence of the major part played by our profession in our lives with the recent Map Exhibition in Canberra showing our historical development and the ANZAC Heritage. While there is much doom and gloom in the World, I believe there are enough positive signs that show that our future is in good hands and ANZAC Day has demonstrated that young people are in control.

Don Pearce  
President, MSIA  
[don.pearce@westnet.com.au](mailto:don.pearce@westnet.com.au)  
Mobile: 0418 945 205

## INVITATION

Is there anybody else out there who would like to participate in the management of the Institute by becoming a Councillor? At present we have twelve dedicated councillors, representing: WA (2) Victoria (1) NSW (3) and Qld (6) who operate effectively and harmoniously, so there is no pressing need to increase our number. However, in 2008 we amended the Constitution to enable us to invite other members to join Council, and since then we have done so on three occasions.

This is an invitation to others (any grade except Student) to put their name forward for consideration by the present councillors. We promise that you would not be pressured to take on any arduous role, but there would be an expectation that you would attend the annual Council meeting (fares reimbursed) and respond to emails between meetings.

RSVP to Secretary Keith <msiau@gil.com.au> before 30 June 2013.

## 200,000 WORLD GLACIERS MAPPED

***“International team maps nearly 200,000 glaciers in quest of sea-level rise estimates”*** 6 May 2014

An international team led by glaciologists from the University of Colorado Boulder and Trent University in Ontario, Canada has completed the first mapping of virtually all of the world’s glaciers -- including their locations and sizes -- allowing for calculations of their volumes and ongoing contributions to global sea rise as the world warms.

The team mapped and catalogued some 198,000 glaciers around the world as part of the massive Randolph Glacier Inventory, or RGI, to better understand rising seas over the coming decades as anthropogenic greenhouse gases heat the planet. Led by CU-Boulder Professor Tad Pfeffer and Trent University Professor Graham Cogley, the team included 74 scientists from 18 countries, most working on an unpaid, volunteer basis.

The project was undertaken in large part to provide the best information possible for the recently released Fifth Assessment of the Intergovernmental Panel on Climate Change, or IPCC. While the Greenland and Antarctic ice sheets are both losing mass, it is the smaller glaciers that are contributing the most to rising seas now and that will continue to do so into the next century, said Pfeffer, a lead author on the new IPCC sea rise chapter and fellow at CU-Boulder’s Institute of Arctic and Alpine Research.

The team used satellite images and maps to outline the area and location of each glacier. The researchers can combine that information with a digital elevation model, then use a technique known as “power law scaling” to determine volumes of various collections of glaciers.

In addition to impacting global sea rise, the melting of the world’s glaciers over the next 100 years will severely affect regional water resources for uses like irrigation and hydropower, said Pfeffer. The melting also has implications for natural hazards like “glacier outburst” floods that may occur as the glaciers shrink, he said.

Extracted:

<http://www.colorado.edu/news/releases/2014/05/06/international-team-maps-nearly-200000-glaciers-quest-sea-level-rise>



CU-Boulder Professor Tad Pfeffer, shown here on Alaska’s Columbia Glacier, is part of a team that has mapped nearly 200,000 individual glaciers around the world as part of an effort to track ongoing contributions to global sea rise as the planet heats up. Photo courtesy University of Colorado

## JOINT CONFERENCE IN NEW ZEALAND CALL FOR ABSTRACTS

The seventh National Cartographic Conference GeoCart'2014 / 42nd ANZMapS conference / 3rd ICA Regional Symposium on Cartography for Australasia and Oceania will be running together this year and convene in Auckland, 3rd to 5th September 2014. It will be held at the outstanding facilities of The University of Auckland in the City of Sails - Auckland, New Zealand.

The Conference is jointly organised by the New Zealand Cartographic Society and the Australian and New Zealand Map Society, and is endorsed by the International Cartographic Association (ICA).

Keynote Speakers include:

- Kenneth Field, ESRI, USA
- Kristoffer Kristiansen, Norwegian Mapping Authority, Norway
- Georg Gartner, President of the ICA, Austria

Abstract submissions are now invited on any topic in cartography, Map curatorship, History of cartography or exploration, geovisualisation and Geographical Information Science, or related disciplines, covering work of a professional and /or academic nature.

The submission deadline is Monday 16th June 2014.

The official Conference website is:

<http://web.env.auckland.ac.nz/public/geocart2014/>

The Conference will be preceded by the Map Design with ArcGIS: Mapping the 3rd Dimension Workshop, 1st to 2nd September 2014, organised by the New Zealand Cartographic Society within its EduCart initiative. It is the continuation of the highly successful Workshops run in 2010 and 2012.

The Workshop website is:

<http://web.env.auckland.ac.nz/public/mdw2014/>



The banner features a black background with white and green text. At the top left is the NZ logo. The main title 'GeoCart'2014' is in large green font, with the subtitle 'Cartographic Journeys through Space and Time' below it. On the right, it says 'Auckland New Zealand 3-5 September 2014'. A vertical menu on the left lists 'Welcome', 'Invitation', 'Programme', 'Registration', and 'Contact' in orange, followed by 'MDW'2014', 'NZCS', and 'ANZMapS' in white. The center contains logos for ICA ACI, NZ, and ANZMapS, followed by the text: 'Welcome to GeoCart'2014, 42nd ANZMapS Conference and 3rd ICA Symposium on Cartography for Australasia and Oceania'. Below this is a paragraph of text: 'The seventh National Cartographic Conference GeoCart'2014, 42nd ANZMapS Conference and the third ICA Symposium on Cartography for Australasia and Oceania will convene in Auckland, 3-5 September 2014. It will be held at the outstanding facilities of The University of Auckland in the City of Sails - Auckland, New Zealand.' At the bottom, it states: 'GeoCart'2014 is jointly organised by the New Zealand Cartographic Society and Australian and New Zealand Map Society.' On the right, there are 'Quick Links' (Conference Programme, Important Dates, Guidelines for Authors, Contact information, Registration Form) and 'Venue' (Engineering Extension, The University of Auckland) with a small photo of the building.

TIME FOR A PICTURE



Source: Photo Album by Marius (electronic file)

## MEDIA RELEASE GIS PEOPLE WINS PRESTIGIOUS IT CHAMPION AWARD

GIS People, a Brisbane-based high-tech start-up company, has won the title of Information Technology Champion at the Australian Small Business Champion Awards 2014.

GIS People fended off some stiff competition from across the country to come out top in the IT category, making it one of only two Queensland-based companies to win at the Awards this year. The Australian Small Business Champion Awards celebrates the most outstanding businesses in Australia for the role that they play in the economic development of the country. It is the only national recognition program for Australian small businesses. The Awards Founder, Steve Loe, was quick to congratulate GIS People: *"This victory illustrates the outstanding quality of your business ... I know the role that energy, enthusiasm and dedication play in building a successful small business; it is very rewarding to see these traits represented by your business."*

Held on Saturday 5th April in Sydney, the Awards Ceremony saw a variety of small businesses from across Australia honoured in front of 900 attendees for their innovative ideas, products and services. GIS People's partners from Mercury Project Solutions accepted the Award on behalf of the proud company.

Managing Director of GIS People, Igor Stjepanovic, said of the achievement, "GIS People is delighted to be the recipient of this

*Award and it is a great testament to all the hard work and commitment of the team at GIS People, as well as to the support of our clients and partners. Thank you to all those who have helped shape GIS People's success over the past few years."*

He added, *"We are extremely excited about the future. We look forward to further growing the company, and to helping make Brisbane an internationally renowned hub for technology and innovation."*



## MAPPING SCIENCES INSTITUTE, AUSTRALIA ANNUAL GENERAL MEETING

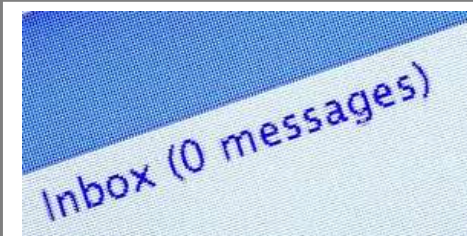
Members are invited to attend the 2014 Annual General Meeting of the Mapping Sciences Institute, Australia, to be held at 34 Kneale Street, Holland Park West, BRISBANE, on Saturday, **24 May**, 2014, commencing at 3.00 pm.

Keith Smith  
Secretary < [msiau@gil.com.au](mailto:msiau@gil.com.au) >

### BUSINESS

The meeting will receive the FINANCIAL REPORT of MSIA for the year 2013, presented by Honorary Treasurer, John McCormack. (Copies of the Report will be distributed later.)

Councillors for 2014 will be announced at the meeting.



Help me to achieve the status of "Inbox Full". If you have an article, news clipping, photos or other contribution email the Editor on [adam.ladhams@hotmail.com](mailto:adam.ladhams@hotmail.com)