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This past few months have seen a flurry of careers day, and the SSSI Qld office has been at the forefront in assisting Destination Spatial.

Destination Spatial Queensland (DSQ) has been fortunate to be invited to participate in the Construction Skills Queensland World Skills Career’s expos. These events have been held in Logan, Townsville, Bundaberg, Hervey Bay, Gympie, Toowoomba, Dalby, Kingaroy, Rockhampton, Gladstone, Emerald, Chinchilla, Moranbah and Brisbane. I personally would like to thank:

★ The SSSI Qld office staff - Barb Angus, Kellie Davidson & Mark Leonard-Major for their commitment to making sure materials were prepared and distributed,

★ The QSIC office for helping to facilitate the logistics,

★ Jack de Lange for assisting with artwork design,

★ The DSQ team for their assistance,

★ And most importantly, all of the people who took time out of their busy days to go along to all the career expos and talked about how much they loved their jobs, with out you guys, we couldn’t have done it!

The enthusiasm that the volunteers helping on these career expos show for their profession still humbles me. Everytime I hear them explain the roles that surveyors and spatial scientist play in our society to school kids, thier parents and teachers, it fills me with a sense of adventure, and a need to share this with all and sundry that I meet! Many of our volunteers have taken it upon themselves to run mini-roadshows around their local schools, and I hope that this enthusiasm for Destination Spatial continues. If you’d like to join the Surveying and Spatial Professionals spreading the word about our profession, please contact me at chair.qld@ssi.org.au

You may remember that members of the Queensland Regional Committee, Queensland Commission Committees and other invited guests came together earlier in the year to put together the first SSSI Qld Strategic Plan. After several months of hard work from our committees and office staff, the ideas and strategies have been mapped out against the SSSI National Strategic Plan, and this can now be viewed on the SSSI website at www.sssi.org.au/qld If you have any additional items you would like to see in the plan, or items that you would like to assist with, please contact the SSSI Qld office.

The Queensland Spatial Excellence awards were a great success, and you can read all the winners and highly commended awards in this edition, as well as see some of the fantastic photos from the evening. Congratulations to the winners on the night - you are a credit to you industry and we thank you for all the time, effort and passion you contribute to our industry.

I would like to extend a welcome to our newest Gold Regional Sustaining Partner, Ultimate Positioning. Ultimate Positioning have been a long time supporter of SSSI Queensland, so I am very excited to have them on board.

I would also like to introduce our new member of staff, Mark Leonard-Major. Mark has taken on the role of Admin from Kaye, who is now working for SIBA full time. Please make Mark feel welcome the next time you ring the office.

It is very heartening to see long lists of USQ Graduates, SBQ registrations and SSSI new members included in this edition. I believe it is proof that our efforts in promotion and education, through the role of the Surveyors Board of Queensland Graduate advocate, Destination Spatial Queensland, and the efforts of our profession at large, are starting to bear considerable fruit.

A big congratualtions to those of you who have worked hard to achieve the recognition of your industry, and I hope through your SSSI membership you will continue to grow as professionals, and I look forward to watching your your participation in our industry over the coming years.

Chris McAlister
SSSI Queensland Regional Chair
chair.qld@ssi.org.au
In today’s time, we now have access to locational information originating from various different sources that include images taken by satellites as well as by manned and unmanned aircrafts, airborne and mobile laser scanning that can provide topographic details at few centimetre intervals, and surveying devices as well as Global Navigation Satellite Systems (GNSS) that can provide locational information with millimetre level accuracy.

Amidst these developments, at the global scale we are able to map ourselves even with the URLs. Interestingly, we are also coming across geo-enabled and geo-disabled virtual spaces on the Internet. The ubiquitous presence of tools that can locate someone is attributed to the expansion of spatial science in different directions, and the future of spatial science is heading towards the 3D visualisation along with visualisation in immersive and interactive virtual environments. Spatial information resources are already providing us virtual cities, and data products for immersive environments such as CAVE.

These expansions of spatial science in diverse directions are offering challenges to educators working towards creating a future spatial science workforce that has to be trained in a diverse set of knowledge areas. Moreover, the future workforce has to know about the appropriateness of these diverse sets of tools for different situations and locations.

One such effort in this direction was the release of Geographical Information Science & Technology Body of Knowledge (GIS&T BoK) that was released in 2006 at USA jointly by University Consortium for Geographical Information Science (UCGIS) and Association of American Geographers (AAG). This document has been very popular not only for designing spatial science course contents but also for recognising the varying levels of spatial science skills within the profession.

Since the release of GIS&T BoK, considerable progress is made in spatial science, and therefore, a newer version, the GIS&T BoK 2.0, is on its way. The newer version is taking care of recent developments affecting the spatial science. For example, it includes the Virtual Environment with the emphasis on immersive environment.

Additionally, it will enable users to create a personal score card of their spatial science knowledge. Other features of the newer version include the creation of a web-based interfaced for further revising the document by substantial cross-section of the diverse geo-spatial community. The other emphasis that is gaining momentum is to combine recent advances in educational research with the modern content knowledge of spatial science. This is really important for spatial science that is highly multidisciplinary and professional knowledge areas as well as skills are highly diverse.

The current issue of Spatial Science Queensland is a good reflection of spatial science advancements. It is good to note in the Spatial Information and Cartography Commission report on the series of workshops on cartography and to note collaboration between SSSI and Australian Computer Society.

Another interesting item in this magazine is brief information about Queensland Globe aimed at providing information about available data sets with Google Earth. The efforts made by Transit of Venus are highly adorable in promoting spatial science in school, and their endeavours hold the key to the quality future spatial science work force. Another aspect that is becoming very popular in the entire education sector is to improve learner’s spatial thinking abilities, and there is enough evidence to prove that acquisition of spatial knowledge improves one’s spatial thinking. Let us not ignore the results of recent audit by QSIC that shows 60% their data sets have the spatial component.

Finally, I would like to welcome the new members as well as the new sustaining partners, and it is fascinating to note addition of Dipak Paudyal, a very experienced spatial science professional, to the new commission on Remote Sensing and Photogrammetry. I would also like to extend my best wishes to USQ graduates. USQ is among few universities that offer degree programs in spatial science.

Sanjeev Srivastava
Sanjeev.Srivastava@usc.edu.au
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June continued to bring challenges to the Queensland office with the departure of Kaye and the wait for a pool of applicants to select a replacement from. Interviews were conducted and a decision was made. Our newest SSSIQ “family” member is Mark Leonard-Major. Mark has proved to be a valuable addition to our office.

Our local publication Spatial Sciences Queensland hit mailboxes to much rejoicing and feedback so far has been positive. If you have any feedback (positive or not so positive) or if there are things you would like to see, call or email us and let us know. I know it has been a while since the last one, but hopefully we are now on track for the usual bi-monthly regularity.

Since our last issue, we have provided many CPD events to members including the Land Surveying Commission Forum, Cadastral events on the Gold Coast, a rare Hydrographic event, a Northern Group Conference in Townsville, LiDAR Conference, Women in Spatial Breakfasts, Cartography and Map Design Workshops, YP events. Planning for next year is well under way with Kellie working on a slew of events.

Our annual Queensland Spatial Excellence Awards was held on 18 October at Cloudland in Fortitude Valley. 130 members, sponsors and guests attended to be entertained by the Bombshell Burlesque Dancers. The joint SSSI-SIBA event recognised both industry and individual achievements as nominated by peers in the surveying and spatial arena. Photographs of the evening’s winners, attendees, presenters and entertainers are available in the following pages.

In July, we welcomed Ultimate Positioning Group as a SSSIQ Gold Sustaining Partner and the University of the Sunshine Coast as an Educational Sustaining Partner. See story later in the magazine for more on UPG. We are looking forward to the end of a hectic year culminating in the SSSI Christmas Party on the 29 November. Bookings are open now and we look forward to seeing as many of our members as possible in attendance to recognise and celebrate the wonderful achievements of our Committees and members. Our Committees guide our direction and all participants give freely and generously of their time to ensure our success.

The Queensland Office will be closed from 21 December 2013 and will reopen on 6 January 2014. We wish all our members a safe and happy festive season and we all look forward to continuing our services in the New Year.

Barb Angus
reo.qld@sssi.org.au

Why Join SSSI?

✓ Professional Home: An institute providing you a home as a Surveying and Spatial Sciences professional.
✓ Events: 200+ events, including seminars, workshops and online training.
✓ CPD : Access to the diverse certification programs which are internationally recognised, national APSEA awards and the SSSI CPD program.
✓ Financial Benefits: Savings on a range of benefits through our member rewards program and sustaining partners.
✓ Subscriptions: Receive the SSSIQ Magazine, free bi-monthly editions of Position Magazine and complimentary access to Journal of Spatial Sciences.

Last November, Murray and Associates sent to me a copy of the late Fred Murray’s autobiography, Surveying My Life. Fred’s aim was to record his memories of business, sporting and local government life after arriving with his family in the Nambour district in 1946. Fred died on 10 January 1996 and his notes were edited by Dot Worthington into a book of 248 pages.

While Fred’s story outlines service to the community over 50 years, his association with surveying began with his birth in 1919 as the son of Licensed Surveyor James Nicholas Murray. Jim Murray was born in Armidale NSW in 1884; began employment as a chainman in Queensland in 1909; was registered as a licensed surveyor in 1913; worked as an Australian Government surveyor in New Guinea; until returning to Queensland to enlist in D Company, 25 Battalion of the First AIF. He suffered severe hearing loss at Gallipoli after a shell exploded nearby. He was repatriated home in 1917; and despite his incapacity resumed a productive life, working from time to time as a contract surveyor and a staff surveyor.

Coincidentally, the SSSI Brisbane Office received a parcel from a departmental library in South Africa. The parcel contained bound volumes of the Transactions and Proceedings of QIS together with copies of annual reports of the Queensland Department of Lands and the Survey Office for the period between the 1890s and the 1920s. While much of this information is available in libraries, the access is restricted by needing to visit these libraries during office hours. We now see prospects of copying material and making it available online almost continuously - apart from server maintenance downtime.

Fred Murray expressed appreciation in knowing his father’s name was on the Honour Board in the former Land Administration Building – now the Conrad Treasury Hotel in George Street, Brisbane. He also paid respect to other surveyors of that era. By coincidence I happened to notice a tribute in the 1916 Lands Department Annual Report that contained an image of the Honour Board together with the names of J E Stevenson; J N Murray; R A McInnis; J T Hockin; E Cortis; J W Mott; A R Parkinson; J S Peppercorn; C L Morell; W H Flowers; and F W Hutton as Authorised Surveyors.

Those who saw service in Gallipoli included J N Murray and R A McInnis. Both used their skills as surveyors to produce plans of trenches at Gallipoli when asked to do so. Fred autobiography at p.14 reads as follows:

Although a qualified surveyor, Jim made no mention of this when he joined the army. He was in a trench at Gallipoli when his commanding officer received an order from headquarters to provide a sketch of the position being held. One of his mates told the commanding officer, ‘Jim Murray is a surveyor. He could do it quite easily.’ Jim was given a compass and told to provide the information headquarters required, something he did without much difficulty. The old field notes of this exercise are still among his papers.

After the death of the last WW1 veteran in 2006, National Archives of Australia provides open access to the records of enlisted personnel; seemingly as part of a growing interest in family history. The link to URL http://recordsearch.naa.gov.au/scripts/Imagine.asp?B=7990496 leads to page 1 of 36 pages. Page 1 is Jim’s Attestation Paper that gave his ‘trade or calling’ as ‘surveyor’ and shows the Jim’s signature which is no doubt familiar to those surveyors who have followed his work. (The website allows scrolling through the successive pages of the record.)

In the current project – ‘Archiving Our Generation’ – the aim is to establish a repository of authenticated documents as evidence in establishing facts, so far as they can be ascertained; together with stories that can help to explain how surveying and mapping has contributed to socioeconomic development in Queensland. One of the approaches is to establish repositories of images that people are able to access and use as part of a public domain with no rights reserved or under an open copyright licence.

All in all, we are getting to a stage where we will be able to cope with populating this image repository to produce a mine of information about the relevance of surveying and mapping.

Dr John Cook
We have had some very well-attended events in the last few months including the joint SSSI/Surveyors Board Qld Competency Framework Revision afternoon. This was a great opportunity to discuss the new framework and what the new registration requirements are to become a surveyor or a surveyor with an endorsement.

“The Fast 15” conference in Rockhampton was very popular with over 100 attendees. This was a joint Central and Northern group conference and a great chance for some serious catching-up apart from the fantastic presentations. Our feedback survey has given big ticks to presentations on GNSS, UAV, the Bundaberg floods and Bundy Disaster Coordination and also the Cadastral Reinstatement workshop. Other popular topics included Coastal LiDAR and Height Datum. The venue was popular but for some the food left something to be desired! Most people liked the actual location though.

Our Open Source Spatial workshops in May were fantastic. We had three separate, different workshops and a variety of attendees with some people coming to all three. I could hear them working away in our boardroom diligently each week. Shaun Kolomeitz from NPRSR clearly put together a great program for the workshops. You know it’s a good workshop when people don’t want to stop for pizza too! Especially when it’s gourmet Pizza Capers!

Our Fellows and Honorary Fellows came together for dinner again in May. Guest speakers were Ian Keilar who gave a heartfelt and personal look into the life of Kevin Davies, Rob Clout talking about Disaster Management during the Bundaberg floods and Jack de Lange who took everyone on a tour of Africa, Ethiopia, Uganda and Rawanda. Our Fellows have always got interesting tales to tell! We also held another Fellows dinner in August during the LiDAR conference and that was a very lively event!

June saw the first of our Cartography and Map Design workshops with Nick Lawrence. An effective map portrays a place, delivers a message, or reveals a pattern with representational accuracy and visual clarity. The test is how well the audience perceives the map and understands the purpose. Our attendees have been given a good foundation towards this great skill.

The Land Surveying Commission seminar held in June at Scouts Qld was a great day. Topics included Encroachments, Survey Control SP1, Subsurface Utility Infrastructure, ADAC, EARL, Ambulatory Boundaries and 3D Queensland. We also heard about the beginnings of “The Queensland Plan” and why it is important for Queensland to have a long-term plan. Presentations are available on the website.

June also saw us heading down to the Gold Coast for two Cadastral events which both attracted NSW Cadastral points. Our Cadastral Reinstatement Roundtables with Ewen Sneddon and Richard Statham are always in demand, especially with our graduates. We also had 2 presenters from the NSW Land & Property Information Division doing a LPI Update and discussing LandXML and Strata Plans. Some very well-received information and a smashing venue at the Palmer Colonial Golf Course.

The last event to sneak in for the financial year was the Hydro Multibeam processing workshop. Thanks to the Port of Brisbane and Maritime Safety Qld for presenting for our Hydro members.

July saw Women in Spatial Business Breakfasts in Brisbane and the Gold Coast presenting “The Queensland Plan”. We were inspired! After all, we do live in the greatest state – so what are we all doing to keep it that way?

LiDAR Technologies 2013 roared into Cairns in August with several international and national presenters and exhibitors. Lewis Graham, CEO of GeuCue and Director, LiDAR Division, American Society for Photogrammetry and Remote Sensing presented. We also had the guys from the Department of Transport and Main Roads talking about Mobile Laser Scanning. There was the opportunity to attend workshops presented by industry manufacturers aimed at providing an understanding of the basic principles and fundamental benefits associated with LiDAR technologies. And did I mention that the conference was in Cairns at the Pacific International Hotel. What a beautiful place!
The Graduate Surveyors Weekend held in Toowoomba in October was a residential school style camp, aimed at providing graduates with the information and skills to complete components of their registration that may not always be provided in the workplace. This was a great learning weekend and we are looking forward to rolling out the Camps to other areas in the New Year.

Our Northern Group conference in Townsville had an excellent few days of presentations. The venue left a lot to be desired though and we won’t be going back there anytime soon! The presentations included a legislation update and carbon abatement interests, a cadastral reinstatement workshop, creating a new road without a survey plan, high density development easements, spatial apps and database design for GIS, risk management in the workplace, awesome Open Source workshops, ambulatory boundaries case studies/workshop and survey requirements for mining tenure. It was a very full program with two streams. It was also confirmed that our next Northern Group conference would be held in Townsville in May 2014.

Our next event is the Central Group conference to be held in Gladstone. We have a great array of presenters once again with topics including a UAV field trip, community title scheme developments, Central Qld regional plans & State planning policy, ADAC, legislation updates & Statutory covenants and SARA/Das, Strategic Cropping Land. An action-packed couple of days!

We are also in the process of putting together a massive calendar for next year. I’m interested to hear from you though as to what you would like to see on the calendar. Please drop me a line with your suggestions or give me a call.

Kellie Davidson
pd.qld@sssi.org.au
FELLOW’S REPORT
NICK de WEGER

Though not being able to attend the last 2 Fellowship dinners which I believe were enjoyed by some 25 Fellows, the theme topic challenged all.

The Background of the Dinners

For continuity of professional fellowship it was thought that the Fellows needed a project to support and put to paper their vastly differing surveying experiences. The theme of the last two dinners was "Archiving Our Generation".

To this end, Dr John Cook as a surveyor historian spoke of his project creating a website of Surveying History for Public Access. Nick de Weger as part of the award winning “Transit of Venus Australia 2012” (ToV) project team saw the opportunity to combine both projects, as the ToV project website provided Surveying History as background information and also communication with the public, particularly schools to publicise the Surveying Profession.

One of the meetings was addressed by a guest speaker from the Institution of Engineering History Committee who talking about their Institution’s Project gave the meeting an insight of what could be achieved and how to achieve it.

The Challenges

Our generation has witnessed a huge advancement in technology from 7 figure log books and slide rules to supercomputers and GNSS. We are calling on all Surveyors to contribute to the new website to populate it with historical information and photographs. Some of the larger survey firms have celebrated milestones with booklets (e.g. Jones Flint to & Pike booklet and Fred Murray) and we are hoping to use these and other historical articles for insights into our era of the profession. We would appreciate any historical information/Biographies (with Copyright) or any articles on your surveying experience.

Another Challenge for the Fellows is to set up a mentor database for assistance to the profession, which will be elaborated on at the next Fellows Dinner.

For more information contact
Dr John Cook - js.cook@primus.com.au
Nick de Weger - nick@deweger.info
The Spatial Information and Cartography Commission has held a series of URISA workshops around Australia and New Zealand on Cartography and Map Design. This one-day workshop was designed as either an introduction to newcomers or a refresher course for the more experienced. The workshop starts with the principles of communication via cartography and covers all the basic techniques for constructing an effective map according to client specifications. The workshop was designed by URISA, the Urban and Regional Information Systems Association based in North America. The first workshop in Queensland was held in Brisbane in June, with nine people attending. This workshop was followed in Cairns and then Townsville. Workshops are also being planned for 2014, though more can be run depending upon demand.

The popular Georabble series continues with the fourth Georabble event held in Brisbane. A series of short, interesting talks held in a relaxed, social environment just after business has closed for the day, Georabble has attracted the attention of many in the spatial industry who wish to stay abreast of current trends and to network with others in the same industry. The popularity of Georabble proves that spatially-enabled technology is a growth industry with connections to many fields and businesses.

The Brisbane branch of the Australian Computer Society is entering into a collaboration with SSSI, to deliver four SITSIG, Spatial Information Technology Special Interest Group events per year. SSSI will be providing the content and speaker, whilst ACS will be providing the venue. The event will be open equally to SSSI and ACS members, providing an opportunity for people in the fields of pure Information Technology to meet and share ideas with those who specialise in spatial technologies.

A webinar for SSSI Young Professionals was also held, introducing SSSI certification, including GISP-AP, general certification and other specialist certifications. Several leaders in SSSI spoke about the benefits of certification to a professional’s career development and also to an employer’s recruitment of a talented workforce. The process of applying for and maintaining certification was also covered.

Nick Lawrence

SICC Qld Chair

DESTINATION SPATIAL QLD – NEEDS YOUR HELP!

DID YOU KNOW THAT DESTINATION SPATIAL QUEENSLAND HAS ATTENDED OVER 20 CAREERS EVENTS SO FAR IN 2013?

Thanks to the help of some amazing volunteers, we have handed out over 400 information packs across Queensland just in the last 3 months alone. This effort is our biggest to date!

Destination Spatial Queensland is now asking the Surveying and Spatial Science Industry for contributions so we can step it up to the next level, and reach an even bigger audience!

If you or your company would like to make a contribution to Destination Spatial Queensland, please contact the SSSI Qld office at admin.qld@sssi.org.au

WWW.DESTINATIONSPATIAL.ORG
QLD Multibeam Processing Workshop

The multibeam processing workshop was held at the Port of Brisbane “Port Office” on the 28th June. A presentation was made by Toby Reise to demonstrate Maritime Safety Queensland’s processing workflow and methods used to reduce multibeam data using CARIS software.

This was followed up by afternoon tea, kindly provided by the Port of Brisbane and a chance for a bit of networking and discussion.

Following on from afternoon tea, Neill Woolley (Port of Brisbane Pty Ltd) was presented with his Level 1 Hydrographic Surveying certification from John McCarthy of the Australasian Hydrographic Surveyors Certification Panel.

The second session was presented by Tom Hansen and Aaron Willcock from the Port of Brisbane. Tom demonstrated how they currently process their multibeam data using QINSY/QLOUD. Aaron then discussed where their processing was heading with the closer integration of Fledermaus into QINSY.

Many thanks to the Port of Brisbane for providing such a great venue and delicious afternoon tea.
GIS@USC

The University of the Sunshine Coast is enriching its GIS courses to include basic surveying techniques. In this regards, students will get exposure to instruments such as theodolite, differential global navigation satellite systems (DGPS), and distance laser. Additionally, students will be using other low-tech tools such as measuring wheel, compass, and tape for field surveys (Figure 1). The engineering division of the university has acquired a mobile LiDAR scanner.

The university is establishing a partnership with University of Wyoming, USA in the field of fire management, extreme weather related events, and spatial science pedagogy. Dr Sanjeev Kumar Srivastava and Dr Scott Lieske are visiting Wyoming to initiate collaborative work. During their visit, they will have discussions with Dr Jeffrey Hamerlinck, Asso Prof Steven Prager, Dr Ramesh Sivanpillai, and Carl Legleiter.

Sanjeev Srivastava
Sanjeev.Srivastava@usc.edu.au

Figure 1: Some of the instruments that USC students are now using as learning tools
USQ – Graduation and Awards Ceremony for the 2012 Academic Year

The University of Southern Queensland Graduation and Prize Awards ceremony were held in April 2013, for the 2012 academic year.

The most notable achievement for the 2012 academic year for spatial science was the award of a University Medal and a Faculty Medal, representing the highest order of academic achievement for students graduating from spatial science programs.

The University Medal is the university’s most prestigious under-graduate award and is awarded to a small number of graduates each year whose academic performance has been consistently of the highest order. Craig Lonard was awarded a University medal for the 2012 academic year. For the fifth year in a row, a spatial science student has been awarded a University Medal, following in the footsteps of immediate previous recipients Jeffrey Pickford, Anthony Camplin, Michael Day, Phillip Nixon and Wayne Wilson.

The Faculty Medal is awarded to graduates whose academic performance in graded courses for three year programs has been consistently of the highest order. Julian Lamont was awarded a Faculty medal for the 2012 academic year.

Thanks to sponsors for the support and sponsorship of prizes at the graduating ceremonies and the continuing association between the academic, government, professional body and private sectors.

Congratulations to the graduates whom represent the future of spatial science on completion of an important milestone in their life. Graduation celebrates and represents the achievement of the individual, however the importance and satisfaction of conferment of an award demonstrates the culmination of the sacrifices of both the individual and family. In many instances the unflinching support of family is absolutely vital to graduation. Similarly, the support of the employer may be essential to the success of both the individual and the future of the organisation.

Attending the faculty prize ceremony included sponsor representatives and presenters: Mr Shane Simmons representing the SSSI, Ian Rosenberger of the Darling Downs Survey Group, and Dr Russell Priebennow of the Surveyors Board of Queensland, all of whom kindly donated their time and effort to travel to the ceremony and university presenters included faculty representative Associate Professor Peter Gibbings and Dr Glenn Campbell.

Prizes and Awards were presented to students as follows:

Continuing Student Prizes

Bachelor of Spatial Science
The C.R Kennedy &Company Prize for a second year student in the Bachelor of Spatial Science degree (Surveying major) who has achieved a consistent level of performance in all aspects of the course and has demonstrated suitability to professional surveying practice was awarded to Caleb McKee. The CR Kennedy & Co Prize is acknowledged by CR Kennedy’s continued support for this award.

Bachelor of Spatial Science Technology
The first of the IEMSQ Prizes was for an external student who achieves the highest academic standard in the first twelve courses of the Bachelor of Spatial Science Technology (Surveying) program was awarded to Timothy Hoswell.

Associate Degree in Spatial Science
The second of the IEMSQ Prizes was presented by the Institution of Engineering and Mining Surveyors Australia (QLD Division). The IEMSQ Prize for the student who achieves the highest academic standard in the first eight courses in the Associate Degree in Spatial Science program was awarded to Kyran Jackson.

Graduating Student Prizes

Post-graduate
The SSSI Qld Spatial Science Graduate Coursework Prize donated by the Surveying and Spatial Science Institute, Australia, Queensland Region is awarded to the gradu-
ating student from the Master of Spatial Science Technology post-graduate program who demonstrates the highest level of academic achievement was awarded to Huy Thong Nguyen.

**Bachelor of Spatial Science**
The Leigh Capon Memorial Prize for the graduating student who achieves the highest academic standard for the last eight courses of the program completed in two years, was awarded to Craig Lonard. The Leigh Capon prize commemorates the life and service of Leigh Capon, a distinguished former head of discipline.

The SSSI Qld Centenary Prize donated by the Surveying and Spatial Science Institute, Australia, Queensland Region, for the graduating external student who demonstrates the highest level of proficiency in practical and academic work and a sincere interest in the profession was awarded to Gary Jewkes.

**Bachelor of Spatial Science Technology**
The John Trousdell Memorial Prize commemorates the life and service to the profession of John Trousdell, an eminent local Darling Downs surveyor and is sponsored by the Darling Downs Survey Group. The John Trousdell Memorial Prize, for the graduating on-campus student who achieves the highest academic standard in the Bachelor of Spatial Science or Bachelor of Spatial Science Technology (GIS) program was awarded to Kim Estrin.

The third IEMSQ Prize was presented by the Institution of Engineering and Mining Surveyors Australia (QLD Division). The IEMSQ Prize for the graduating student who achieves the highest academic standard in the Bachelor of Spatial Science Technology (Surveying) was awarded to Jeremy Butler.

The Laser & Survey Solutions Prize for the student who achieves the highest academic in the last eight courses in the Associate Degree in Spatial Science program was awarded to Jeremy Butler.

**University and Faculty Awards**
University Medallists: Craig Lonard for the 2012 academic year.

Faculty Medallists: Julian Lamont for the 2012 academic year.

Honours awards for the 4 year programs recognise awards achieved with distinction and outstanding performance. First class honours were awarded to Craig Lonard and Matthew McDonald.

Julian Lamont, Kim Estrin, Jeremy Butler, Jake Clarke and Stephen Kates were recognised by the university for achieving their two/three year awards with distinction. Devendra Madhow, Matthew Boylan, Stuart McConkey and Carolyn Cooper were awarded the Dean’s commendation for outstanding performance in their program.

**Surveying and Spatial Science Graduates for the 2012 Academic Year**

**Doctor of Philosophy**
✧ Dev Raj Paudyal

**Master of Spatial Science Technology**
✧ Michelle Newstead
✧ Huy Nguyen

**Graduate Diploma of Spatial Science Technology**
✧ Jessica Ackland
✧ Paul Calvino
✧ Freddy Ratusaenile

**Bachelor of Spatial Science (first class honours)**
✧ Craig Lonard
✧ Matthew McDonald

**Bachelor of Spatial Science (second class honours – division A)**
Overall graduate statistics for the academic year were as follows, 2012 academic program graduates:

Bachelor of Spatial Science (Surveying); 19
Bachelor of Spatial Science Technology (Surveying); 12
Associate Degree Spatial Science (Surveying); 27
Bachelor of Spatial Science Technology (GIS); 6
Associate Degree Spatial Science (GIS); 5
Diploma Engineering Studies (GIS); 2
Diploma Engineering Studies (Surveying); 1
Master of Spatial Science Technology (GIS); 2
Graduate Diploma of Spatial Science Technology (GIS); 3

* Data does not include Graduate Certificates of Spatial Science Technology.

Congratulations to the 2012 alumni of the University of Southern Queensland on their achievement.

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SSQ MAY 2013
Top Left: Craig Lonard and Ian Rosenberger
Bottom Left: Kim Estrin and Shane Simmons
Centre: Jeremy Butler and Peter Gibbings
Top Right: Gary Jewkes and Russell Priebeenow
Bottom Right: Matthew McDonald and Shane Simmons
QSIC sets the direction and provides coordination for the development and maintenance of spatial information in Queensland. QSIC is represented by all sectors of the spatial information industry - Queensland government departments, industry, professions, academia, local government and the community - meeting as equal partners to drive major spatial information initiatives in Queensland.

QSIC meetings

The QSIC members meet quarterly with the last meeting of QSIC being held on 20 June 2013. The endorsed minutes of the QSIC meetings are available on the QSIC website.

Utilising Data Smart

Data Smart is a calendar of professional development events and a newsletter subscription service. Registering as a Data Smart client enables you to receive newsletters and information on upcoming QSIC seminars and other spatial events. We encourage you to register in Data Smart to receive these notifications. Simply go to Data Smart, fill in your details and tick the required boxes.

QSIC Strategic Planning

The QSIC Work Plan 2013-2014 and QSIC Strategic Plan 2013-2016 were endorsed by QSIC at the June meeting. QSIC is focusing on raising awareness of the application of the Queensland Globe, promoting the spatial industry as a viable career choice, facilitating the visualisation of Open Spatial Data and facilitating working groups on foundation spatial data.

The QSIC Strategic Plan 2013-2016 outlines four goals for Queensland’s spatial information industry:

- The spatial information industry is seen as a viable career choice for students
- The spatial information industry has strong strategic leadership
- Effective consultation exists for the management of foundation spatial information
- Government, private sector and community are well informed about the application of spatial information

The strategies to achieve these goals form the framework for QSIC projects. These strategies are:

- Support the ‘Destination Spatial’ initiative and promote spatial as a career choice
- Provide a forum for strategic leadership of Queensland’s spatial information industry
- Facilitate working groups on foundation spatial data
- Raise spatial awareness to government, industry and the community

The Plan is available at: https://datasmart.oesr.qld.gov.au/Events/datasmart.nsf/c4f1f8716f75329f4a256e6900253f8b/a1891111feaeadc64a257891007f79bb?OpenDocument

Open Data

The Queensland Premier has identified the Open Data initiative as a priority project for the Department of Premier and Cabinet. The initiative
will help deliver open and accountable state government. Each state agency has released an Open Data Strategy setting out how open data will be core to their business practices.


A recent audit by QSIC has shown that about 60% of the datasets identified by agencies in their release schedule have spatial content. The Department of Premier and Cabinet has asked QSIC to ensure datasets with a spatial component are released in a form that enables visualisation of the data. Ensuring data is spatially enabled is critical to unlocking the potential of the data to allow the development of innovative uses to benefit Queenslanders.

Queensland Globe
Queensland Globe is an online tool which allows users to view and explore spatial data about Queensland using the Google Earth application. The information accessible includes best available imagery, property boundaries, property addresses, instant access to SmartMaps and more.

Queensland Globe is an initiative of the Department of Natural Resources and Mines and is released as part of the Queensland Government’s Open Data Strategy. To get started on the Globe, go to: http://www.nrm.qld.gov.au/mapping/queensland-globe.html

A QSIC seminar is being planned in October to promote the Queensland Globe and will focus on case studies of how the Globe is being utilised. QSIC would like to hear from individuals and organisations on how they are using and benefiting from the Queensland Globe for a possible presentation at the seminar. Just email us at: qsic@qld.gov.au

QSIC Office staff change
We were fortunate to have Caroline Evans act in the position of Senior Advisor in the QSIC Office until the return of Kath Wagner from her role at QRA. The position provides support for the QSIC working groups and communication activities. Caroline brought experience in spatial information, governance and corporate communications and was a great asset to the office. Caroline replaced Rod Farmer who retired after 38 years in the public sector. He has been with the QSIC Office since April 2012. We wish Rod all the best in his future endeavours.

For more information on any of these and other topics, visit the QSIC website or email the QSIC Office at qsic@qld.gov.au.
Competency Frameworks
In recent months the Board has presented at seminars held in Brisbane, in Mackay for the joint Northern and Central Group conference, and in Mackay and Mt Isa in conjunction with the Australian Institute of Mine Surveyors to explain the process followed in development of the new competency frameworks, outline the new registration policies, and outline the requirements for postgraduate training plans.

The Board will shortly release a YouTube style video that outlines the new registration process and options available for Surveying Graduates seeking to progress to surveyor registration and Registered Surveyors seeking an endorsement. The new processes while still requiring a demonstration of competency against the frameworks, offer the registrant the opportunity to choose which process best suits their skills and experience.

Another change is the introduction of nominated dates, three per year, for lodgement of progressive career episode reports (CER) or documents to support an oral presentation to demonstrate competency. On the nominated dates all progressive CER’s received will be allocated to Board appointed assessors and within a month an assessor moderation meeting will be held to confirm consistency of assessment.

Assessment feedback will then be provided to all registrants who have submitted a CER for assessment. On the nominated dates those seeking an oral presentation will be advised of their interview date if this has not already been determined.

The Board’s webpage has been updated to reflect the new competency frameworks and amendments to the registration process.

Postgraduate Training Plans
The Board has written to all Surveying Graduates to advise of the changes to the Surveying Graduate Framework and the requirement to prepare a postgraduate training plan and progress to surveyor registration. Postgraduate training plans are due to be lodged with the Board by 31 July 2013. An outline of what should be included in a postgraduate training plan is available on the Board webpage within the registration heading.

Career Episode Reports
In May 2013, the Board wrote to 10% of registrants who were randomly selected to complete a Career Episode Reports (CER) as part of their renewal of registration for the 2014 year. CERs were due to be completed and received by the Board on 5 July 2013. The assessment and moderation process will commence shortly and all registrants selected to complete a CER should be notified of the outcome by mid-September 2013.

Site Visits
Board representatives have recently visited 10% of consulting surveyors to discuss a number of issues of relevance to the profession. These visits provide the Board with an opportunity to meet with surveyors in their office and gain an understanding of local issues as well as outlining any Board initiatives eg, the new registration process and competency frameworks. These visits provide valuable feedback to the Board and represent one of many communication options utilised by the Board.

Training Advocate
Unfortunately, due to health reasons Jim Liddle submitted his resignation as Training Advocate. It is pleasing to advise that Jim is recovering well. The Board continues to place importance on the role of Training Advocate and the position will again be advertised. In the interim, please contact the Board office with any queries that would have been addressed by the Training Advocate.

Registration
The following new registrants were recently approved by the Board.

Surveying Associate
✧ David M Duguid
✧ Ben North
✧ Michael B Clement (re-registered)
✧ Anthony D Whyynne
what should be included in a postgraduate training plan is available on the Board webpage within the registration heading.

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Surveying Associate
- David M Duguid
- Ben North
- Michael B Clement (re-registered)
- Anthony D Whynne
- Adam P Vincent
- Paul E Sichter
- Aaron E McCann
- Brett S Duke
- Reynaldo dela Pena (re-registered)

Surveying Graduate
- Kiernan Smithson (re-registered)
- Cosmin I Manginean
- Ashley Weyman-Jones (re-registered)
- Francis AE Ardiente
- Jason G Irwin (previously registered as surveying associate)
- Martin W Thompson
- Ratnayaka MK Niyangoda
- Lindsay R Murtagh (re-registered)

Reciprocal
- Aaron J Hick – Cadastral – New Zealand
- David G Rolph – Mining A – New South Wales
- Jacek Idzikowski – Cadastral – New South Wales

Upgrade
- Nawanandana Liyanawaduge – Surveyor
- Benjamin G Richardson – Surveyor
- David Sereda – Surveyor
- Andrew Chirigo – Surveyor
- Kyle Kenna – Surveyor
- Jacobus Jansen van Ryssen – Surveyor
- Chad Mohr – Surveyor
- Jeffrey Pickford – Surveyor with Cadastral Endorsement
- Thomas W Pascoe – Surveyor with an Engineering Endorsement
- Robert M Nothdurft – Surveyor with a Mining O Endorsement
- David Eriscon – Surveyor with a Mining A Endorsement
- Steven Andrews – Surveyor with a Mining A Endorsement
- Ian Breddin – Surveyor with a Mining O Endorsement
- Craig Swinbourne – Surveyor with a Mining A Endorsement

Endorsement
- Rodney Baxter – Mining O Endorsement

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E, M & A Bowden Manufacturing Since 1989
Friday 17th October 2013 saw the Queensland Spatial Excellence Awards in all its glittery glory being celebrated! Chris McAlister (SSSI) and Yasser Robi (SIBA) hosted the event which included dazzling entertainment by the Bombshell Burlesque Dancers.

The award winners on the night were:

**Individual Awards**
- **Undergraduate Student (Clem Jones Medal)**: Phillip Lindenmayer
- Highly Commended - Brett Parker
- **Postgraduate Student**: Dev Paudyal
  - Highly Commended - Rodolfo Espada
- **Education and Professional Development**: Glenn Campbell
- **Service to the Spatial Community**: Lee Hellen
- **Young Spatial Professional of the Year**: Gary Robertson
  - Highly Commended - Matthew Fry
- **Spatial Professional of the Year**: Nicholas Lawrence
  - Highly Commended - Chris McAlister
- **SSSI Chair’s Award**: Les Searle
- **Excellence and Eminence in Spatial Sciences**: Phil Pozzi

**Industry Awards**
- **Environment and Sustainability**: Atherton Tablelands GIS and Tableland Regional Council
- **Export**: Atherton Tablelands GIS and Tableland Regional Council
- **Innovation and Commercialisation**: RPS
- **People and Community**: Townsville City Council
- **Spatial Enablement**: Iconyx Division, RapidMap Pty Ltd and Cogha Pty Ltd
  - Highly Commended - Brisbane City Council and Atherton Tablelands GIS and Tableland Regional Council
- **Technical Excellence**: RPS
  - Highly commended – TMR/McMullen Nolan Group and Iconyx Division, RapidMap Pty Ltd and Cogha Pty Ltd
- **JM ‘Mac’ Serisier**: Iconyx Division, RapidMap Pty Ltd and Cogha Pty Ltd
- **SIBA Chair’s Award**: Land & Spatial Information, Queensland Dept of Natural resources & Mines – Queensland Globe

SIBA and SSSI would like to extend our thanks to the sponsors for the evening: CR Kennedy, Position Partners, RPS and ESRI.
The Transit of Venus 2012 has proven to be one or if not, the most successful collaborated project between Surveyors and Astronomers of all time. The outcome has put Surveying and Astronomy forward as a profession to the Australian and world public and specifically school students as a career alternative.

12 months on, the project has won accolades from Surveying and Educational bodies by winning two of the SSSI Queensland Awards in 2012, namely The Individual Award for Service to the Spatial Community and the Industry Category Award for Community Contribution. Australia wide the project won the APSEA National Industry Award judged by SIBA and the Government see the Spatial@gov website http://spatial.cebim.com.au/.

The Australian National Archives have at their request archived our website www.transitofvenus.com for posterity and will no doubt be accessed for the next Transits in Venus in 2117 & 2125.

Praises from our sponsors on the project and perceived value for money added to the success of the project and raised their partnership profile with the profession.

The initiative is now with the Surveying Profession nationally, to draft an article as a promotional tool, after discussion with project stakeholders and the national Teachers Associations for Science, Maths and Geography.

Nick de Weger

Graeme Rush demonstrates how to view the transit to school students
SSSI QLD is very excited to announce that long time supporter, Ultimate Positioning Group (UPG), has come on board as our latest gold sustaining partner. A strong supporter since our inception, UPG has been a fixture at numerous SSSI conferences and exhibitions and we are thrilled UPG are building on this strong support by becoming one of our partners.

UPG, a family business in its 125th year of operation in Queensland, is a market leader in geospatial technology solutions across a number of industries including survey, environmental, rail, mining and construction. A Trimble reseller with a presence across Australia, UPG has a broad range of solutions on offer for any geospatial challenge and even has the in house capability to design leading technology solutions to suit. UPG also works closely with sister companies SITECH Construction Systems and DataHawk rail solutions.

Adam Bright, owner and COO of UPG, SITECH and DataHawk, says of becoming a gold sustaining partner, "UPG has been a long time supporter of SSSI and has partnerships with the institute in other regions. We’re really pleased to have a formal partnership with SSSI QLD which has been supporting spatial science professionals and promoting the industry for a number of years.

“At UPG we have been committed to the geospatial industry for a very long time and pride ourselves on being at the forefront. We’re excited to partner with SSSI to support geospatial professionals and assist them in being ahead of the game.” He says.

SSSI Queensland Region recently welcomed a new Remote Sensing & Photogrammetry Commission representative to the Regional Committee. Dr Dipak Paudyal is Principal Consultant, Remote Sensing and Imaging at Esri Australia. The addition of Dipak to the committee will provide Queensland with an increased capability to service RS&P Commission members through CPD and other events.

Dipak has a Master’s Degree in Natural Resources Management and a PhD in Remote Sensing. He has been providing high end consulting and professional services in the fields of Remote Sensing and Imagery Management. Dipak has experience in areas of Remote Sensing; Image processing, Photogrammetry and Raster Systems in academia, government and private industry for over 20 years. He is also considered an authority in the application of Radar Remote Sensing in Resources Management. Dipak is certified Spatial Industry professional with GISP-AP and RS&P Certification awarded by the SSSI.
LOST CITY FOUND USING LIDAR

A lost city known only from inscriptions that existed some 1,200 years ago near Angkor in what is now Cambodia has been uncovered using airborne laser scanning.

The previously undocumented cityscape, called Mahendraparvata, is hidden beneath a dense forest on the holy mountain Phnom Kulen, which means "Mountain of the Lychees."

The cityscape came into clear view, along with a vast expanse of ancient urban spaces that made up Greater Angkor, the large area where one of the largest religious monuments ever constructed — Angkor Wat, meaning "temple city" — was built between A.D. 1113 and 1150. [See Images of Angkor Wat, New Temple City]

Traces of temples
In a series of archaeological mapping projects, scientists had previously used remote sensing to map subtle traces of Angkor. Even so, dense vegetation now veils much of the complex, impenetrable to conventional remote-sensing techniques, the researchers noted.

In the new study, led by the Archaeology and Development Foundation's (ADF) Phnom Kulen program, the team relied on airborne laser scanning, or LiDAR (light detection and ranging), to survey about 140 square miles (363 square kilometers) in northwestern Cambodia in 2012.

"LiDAR provides an unparalleled ability to penetrate dense vegetation cover and map archaeological remains on the forest floor," the researchers wrote in an accepted manuscript submitted to the journal Proceedings of the National Academy of Sciences.

The survey revealed, "with exceptional clarity," traces of planned urban spaces hidden beneath the dense forest surrounding the major temples of Angkor, they wrote. In addition, the researchers confirmed the existence of "a vast, low-density urban periphery stretching far beyond the major Angkorian temples."

This low-density urban area suggests that rather than Angkor Thom being the central, walled-in city that some have suggested, it is just part of a more dispersed city with a densely populated area at its center.

"It's the same sort of configuration as Los Angeles — so, a dense middle, but it consists of huge, sprawling suburbs connected by giant roads and canals in exactly the same way as the freeways link up Los Angeles," said Roland Fletcher, of the University of Sydney.

Lost medieval city
To the north of central Angkor, the LiDAR data revealed a previously unknown city hidden beneath the forest, its roadways, temples and other urban infrastructure, etched into the surface of the holy Phnom Kulen mountain. The newfound cityscape would have existed between the eighth and ninth centuries (well before Angkor Wat) and seems to correspond to Mahendraparvata, one of the first capitals of the Khmer Empire. Until now, Mahendraparvata was known only from written inscriptions dating to A.D. 802, the researchers said.

When the LiDAR data revealed the elevation beneath Phnom Kulen’s dense vegetation, the researchers knew they had found something big.

"With this instrument — bang — all of a sudden, we saw an immediate picture of an entire city that no one knew existed, which is just remarkable," Damien Evans, director of the University of Sydney’s archaeological research center in Cambodia, told Australia’s The Age.

Weird landscape
The LiDAR also revealed an entirely new class of Angkorian architecture, Fletcher said.

To the south of the Angkor Wat complex and dating to the 12th century, "there is a set of absolutely unique, very strange features, which we call rectilinear coils," Fletcher told LiveScience. "They are like enormous embankments of sand with channels between them. They have no counterpart anywhere in Angkor; we’ve never seen the design of this sort before, and they’ve never been seen before in Angkorian architecture."

Fletcher thinks the embankments represent gardens, but their exact purpose remains unknown. The channels would have carried water to the various plants and trees growing in the gardens, he suggested.

BOOK REVIEW

Surveying Success:
The Hume family in Colonial Queensland

From http://www.bluescountry.com.au

Walter Hume left England for Australia in 1862 to take up a position as a trainee surveyor for the Queensland Government. Hume had previously been an officer in the mercantile marine, however the prospect of slow advancement spurred his resignation.

Following his arrival in Australia, Hume was soon joined by his mother and sisters, and in 1866 by his fiancée Anna Kate Hume. Prior to his marriage Hume leased a home in Drayton, and from here continued his work for the Surveyor General. Based on Hume’s diaries, letters to and from Katie as well as information contained in Land’s Department correspondence give the reader an unparalleled look at life in the colony between 1863 and 1901 when the family returned to England. The information and photographs available provide a great insight into the early days of the Darling Downs.

APP REVIEW

FIELD TRIP FEATURING
ATLAS OBSCURA

Atlas Obscura is part of the new Field Trip app from Niantic Labs at Google.

Field Trip runs in the background on your smartphone and points you to the cool, hidden, and unique things in the world around you. With over 90 publishing partners across the US and UK, Field Trip can notify you about the most fascinating history around, the best restaurants and bars to visit, must-attend events coming up, and quirky and fun facts.

Atlas Obscura is the definitive guide to the world’s wondrous and curious places. In an age where everything seems to have been explored and there is nothing new to be found, Atlas Obscura celebrates a different way of looking at the world.

Download the app for Apple & Android, or visit Atlas Obscura at www.atlasobscura.com
## NEWS & CONTACTS

**WELCOME TO NEW SSSI QUEENSLAND MEMBERS:**

### Affiliate
- Scott Ritchie
- Mic Venier
- Nick Lund

### Associate
- John Lodewyk
- Pablo Candia
- Luke Steiger

### Graduate
- Edward Freeman (first year)
- Pia King (second year)

### Member
- John Carroll
- Peter Epstein
- Todd Morschel
- Warren Dalzell
- Jimaima Le Grand
- Lila Devkota
- Tony Worrall
- Chris Horwood
- Miro Umlauf
- Shawn Leclerc

### Student
- Joel Padgett
- Jonas Trefey
- Jared Pinkstone
- Brad Costello
- Declan Pettersson
- Rachael Lawrence
- Ben Oakman
- Mitchell Kingston
- Jordan Cartner
- Daniel Gruhl
- Jake Cruickshank
- Josh Belot
- Miles Huth
- Zaine Thompson
- Keegan Becker
- Robert Davidson
- Ben Phillips
- Kyle Strowe
- Tyson Wykamp
- Phillip Walker
- Cameron Hart
- Ivan Petrovic
- Josh Lynch
- Murray Bowler
- Karen Cannard
- Dan Hanfling
- Dien Tran

## EFM HEALTH CLUBS JOIN AS NATIONAL SSSI SP

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**Chermside** -- T:0478 185 571
On-site at The Prince Charles Hospital, Rode Rd Chermside 4032 chermside@efm.net.au

**Herston** -- T:0432 032 383
Royal Brisbane & Womens Hospital, Butterfield St and Bowen Bridge Rd Herston 4006
Email: patsy.askew@efm.net.au

**Noosa** -- T:0413 886 032
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John Worrall  
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Chris McAlister  
chair.qld@sssi.org.au

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### SEQ Region

<table>
<thead>
<tr>
<th>Region</th>
<th>Chair</th>
<th>Treasurer</th>
<th>Vice-Chair</th>
<th>Convenor</th>
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<tr>
<td>Moreton</td>
<td>Greg Williams</td>
<td><a href="mailto:greg.williams@moretonbay.qld.gov.au">greg.williams@moretonbay.qld.gov.au</a></td>
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<tr>
<td>Gold Coast</td>
<td>David Edwards</td>
<td>d <a href="mailto:Edwards@bennettandbennett.com.au">Edwards@bennettandbennett.com.au</a></td>
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DESTINATION SPATIAL NEEDS YOU!

ARE YOU ABLE TO HELP PROMOTE THE SPATIAL SCIENCES AT YOUR LOCAL HIGH SCHOOL?

If you are, the SSSI Qld office is able to provide you with lots of help.

The Destination Spatial campaign has been developed to inform students about all the options for a career in the spatial sciences!

WE NEED OUR MEMBERS TO:
- Deliver promotional material to schools
- Make presentations to school students
- Mentor teachers in spatial technology
- Give practical lessons using technology

WHAT’S AVAILABLE?
- Printed material – posters, postcards, fact sheets, brochures, stickers
- Destination Spatial Website – follow the link and learn all about the spatial sciences
- Destination Spatial Powerpoint presentations – specially designed to delivery to students or teachers – adapt them to your needs
- Large flat screen (if you live in or near Brisbane) to project the above!

Interested in promoting your particular discipline within the spatial sciences? You can find plenty of great links to material on surveying, GIS, Remote Sensing, etc., on the Destination Spatial website.

WWW. DESTINATIONSPATIAL. ORG
INTERNATIONAL GIS DAY
20 NOVEMBER 2013

LOCATION: RIVERSIDE CENTRE,
123 EAGLE STREET, BRISBANE CBD

ATTRACTIONS: INTERACTIVE MAPS,
COMPETITIONS, FREE GIVEAWAYS,
GIS DEMONSTRATIONS, UNMANNED
DRONES, VEHICLE TRACKING SYSTEMS

FREE ENTRY
9AM-5PM

CELEBRATE GIS DAY AT AUSTRALIA’S LARGEST EVENT!

www.gisday.com.au
The last report for this edition is a look at some of cartography’s creations through history! See these & more in their full colour glory at http://www.darkroastedblend.com/2013/01/marvelous-maps-and-curious-cartography.html

Clockwise from top left: Gangland Chicago in 1931, image credit: University of Illinois Library; a 1570 map of Europe as a queen, image credit: http://upload.wikimedia.org/wikipedia/commons/8/86/Europe_As_A_Queen_Sebastian_Munster_1570.jpg; World War 1 “Hark! Hark! The dogs do bark!”, image credit: http://bibliodyssey.blogspot.ca/2008/08/dogs-of-war.html; Country’s size based on its population image credit: http://bigthink.com/ideas/21146;
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