

Passing of Grant Stuart Kilpatrick



1957 - 2015

Aged 58 Years

SMIC wishes to acknowledge the contributions that Grant Kilpatrick, Principal Surveyor RMS made to the activities of the Council during his term as a representative of SMMF. His sudden passing is a shock and significant loss for his family, friends, colleagues and the profession.



In this issue

151st General Meeting **P.1**

Passing of Grant Stuart Kilpatrick **P.1**

Industry Reports **P.2**

Industry Reports Continued **P.3**

Changes in SMIC Representation **P.3**

Surveying & SIS Traineeships **P.4**

Surveying Education Reports **P.4**

152nd General Meeting

The 152nd General Meeting of the Surveying & Mapping Industry Council of NSW was held on Friday 19th February at the ISNSW Offices in Surry Hills.

Our regular guest, Andrew Bryson from CSPSITAB was in attendance at the meeting and was able to confirm traineeship numbers:

Commencements – full calendar year	2014	2015
Cert III in Surveying & Spatial	2	4
Cert IV in Surveying	0	2
Cert IV in Spatial	0	8
	Total: 2	Total: 14

Commencements – January	2015	2016
Cert III in Surveying & Spatial	0	1
Cert IV in Surveying	0	0
Cert IV in Spatial	0	6
	Total: 0	Total: 7

This is a significant increase in trainee numbers over the past year and SMIC would like to thank all the companies who have taken on a new trainee. If your company or organisation is looking to hire new staff please investigate how a trainee may benefit your business. Details on how to establish a traineeship can be found on page 4.

There is government funding available to offer a FREE pre-traineeship course in Surveying and Spatial. As part of the program students would complete 4 subjects from the Cert III course and 1 week industry experience. It is hoped that this 'taste' of surveying/spatial would encourage participants to consider a career in surveying/spatial. SMIC is working with CSPSITAB, TAFE, ACS and the NSW Surveying Taskforce to get this program established. If your business is interested in hosting a pre-trainee, or if you know of a potential student please contact me.

AS5488 SUI - The Chair and Deputy Chair attended a meeting and presentation in December facilitated by Roger Collins-Woolcock and Rob Sainsbury. They are in the process of trying to gain support from Engineers Australia to fund a review and possible expansion of AS 5488. SMIC voted and have agreed to formally support the proposal.

The next general meeting of the NSW Surveying & Mapping Industry Council will be held at the RMS Offices in Parramatta on Friday 20th May 2016.



Industry Reports

The following information may be of interest to members of our constituent organisations and the general public. Full reports by the representatives on SMIC can be obtained on request by emailing smic@smicnsw.org.au

ACS – ACS NSW has been invited to partner with the Government to promote the NSW Department of Industry, Skills and Regional Development's Jobs of Tomorrow Scholarships. Aim of scholarships is to entice more students to undertake higher level qualifications in science, technology, engineering and mathematics. Value of scholarship is \$1000. ACS NSW will be using a number of marketing platforms to promote these scholarships over the coming months.

- ACS NSW now has eight employees and as such is moving to bigger premises at Level 7, 350 Kent Street
- Two new firms in ACT and another in WA have joined CSN. CSN is currently working with ACSV, ISNSW, ISV and ACSIS in the organising of a national congress to be held in the Yarra Valley in March 2017. CSN has undertaken several lobbying strategies for the surveying profession over the last few months including a submission to the Federal Minister for Skills, USQ surveying course and representation on the Board of CPSISC.
- Submission to Federal Minister outlined the case for surveying to be included on the National Skills Needs List. At this stage there is no support from the Department for surveying to be included on this list. Recent changes to Ministers have delayed progress but with support from previous Minister it is hoped progress can be made with the new Minister.
- Unfortunately Sydney Institute T was unable to develop a program for the practical component of the USQ Surveying Course to be delivered in Sydney so that NSW students did not need to travel to Queensland to fulfil that part of their course requirements. Hunter TAFE has been approached and together with USQ, they have developed a practical surveying program with first intake to take place in May 2016. USQ NSW Cadastral elective is well under development with assistance from Grahame Wallis and is on track to commence in first semester of 2017.
- CPSISC was unsuccessful in being awarded a contract from the Commonwealth Government to continue to carry out the responsibility of updating national Training Packages. CPSISC still has contractual arrangements with the Government to manage the National Workforce Development Fund and there are several other opportunities being considered for continued engagement with both property services and construction industry sectors.

AHS – EAR/SSSI seminar planned in Hobart for Friday 15th April. A tour of CSIRO's vessel investigator will be part of the day.

- SSSI commission are holding a seminar on the afternoon of 6th April in Newcastle. Further details to come in coming weeks.
- SSSI Hydrographic Commission and BOSSI continue to progress with developing a relationship to have Hydrographic Surveying Certification recognised by the Board.

AIMS – AIMS has number of upcoming events including Moranbah candidate's session, dinner & tech day April/May, Kalgoorlie meeting and networking 11 May, Wollongong seminar June, Mt Isa seminar 15 July, XVI International Congress for Mine Surveying Brisbane 12-16 September, Perth Seminar October, and Singleton Seminar November

- AIMS website has been updated.
- AIMS are supporting the 2016 National Industry Scholarship Grant Initiative (For the development of women's leadership across all industry – resource & engineering) through promotion within the AIMS membership base.
- New Survey and Drafting Directions for NSW are in force. New directions combine both coal and metalliferous mines mine plan requirements under the one set of directions and are in line with the new Work Health and Safety Regulation 2014.
- Mario Fantin (AIMS Director) has been asked to join BOSSI's Land & Mining Committee.
- AIMS are seeking to set up discussion regarding supervision of mine surveyors/candidates in both NSW and QLD.
- AIMS has put in place awards recognising excellence in the areas of Mine surveyor of the year, Young Mine surveyor of the year, and Best technical presentation award.

ISNSW – 350 people attended Australia Day seminar in January including representatives from Victoria and New Zealand. The MOU with Victoria and New Zealand was also discussed with their representatives at this time. Further discussions will be held during FIG Working Week in Christchurch later on in the year.

- ISNSW had attendees at meeting in Melbourne to discuss organising of national survey congress in 2017.
- Work continues to implement ISNSW's strategic plan. ISNSW is currently considering removing committees and changing some procedures.
- Hallmann has been converted to an electronic version and ISNSW is now working on updating the content. This is being coordinated by Bill Kearsley.
- Two changes to the constitution are being considered.
- Snap election was held for representatives to BOSSI due to delay for call of nominations by the Minister.
- Currently looking for a new editor for Azimuth.

Industry Report Continued

SMMF – Recent meeting held on 4 February at Port Authority of NSW, Millers Point, Sydney with attendee and reports submitted from LPI, RMS (both divisions), Public Works, Sydney Trains, Parramatta City Council, City of Sydney, Port Authority of NSW & DPI Lands. Items discussed at meeting included passing of Grant Kilpatrick, continued state of change within government, CORS expansion, aerial imagery and LiDAR acquisition program, presentation by John Filocamo (Department of Primary Industries, Operations Manager Cemeteries & Crematoria) Winner of NSW Premiers Award (Customer focussed delivery).

- SMMF delegates to SMIC (Stephen Saunders, Venessa O'Connell & Don Urquhart), and tour to inspect Fort Denison CORS station and view the Port Authority's new hydrographic survey system.

SSSI – SSSI continues to undertake its constitutional review process in 2016. Changes to the organisation's structure are due to be implemented in June this year.

- President Bernard O'Sullivan has recently announced discussions with Queensland Spatial and Surveying Association regarding future representation in QLD.
- NSW Regional Conference is to be held in mid-November.
- SSSI is supporting the inaugural UAS4RS 2016 (Unmanned Aircraft Systems for Remote Sensing) Conference to be held at the University of Queensland, Brisbane 17-18 February.
- Locate 16 Conference is being held 12-14 April in Melbourne and includes the Asia Pacific Spatial Excellence Awards. In relation to NSW, SSSI still has not yet reached an agreement to incorporate the relevant EISSI awards into APSEA

Surveyor General – LPI Review is still continuing and are considering a restructure involving splitting the organisation into 3 being Titling (Sydney), Spatial (Bathurst) and Valuation. Titling is further being considered for privatisation which the Government will make a decision about in April.

- Work on GDA2020 is continuing with collection and adjustment of data. Project manager, Greg Munro, has been appointed for the GDA2020 and new SCIMS Database. Garry Taunton, Team Leader, Spatial Data Services with Dane Johnston (graduate) assisting have been appointed as NSW representatives to the Geocentric Datum of Australia Modernisation Implementation Working Group (GDMIWG).
- City of Sydney has included survey marks as an 'Asset' which have therefore been loaded into Dial Before You Dig. Currently they receive 150 referrals per week. LPI has made many presentations regarding survey mark preservation at Dial Before You Dig Seminars for construction and local authorities. To date have presented to over 400 delegates. Surveyor Generals Direction No 11 'Preservation of Survey Infrastructure' and 12 'SCIMS – What is acceptable' are under review. RMS document G71 is also under review to cater for large infrastructure projects. Meeting has been held with Wollongong Council to assist with development of policy/procedures for preservation of survey marks in that LGA.
- Surveyor Generals Direction No 13 'Aquaculture Lease Surveys' was released in December.
- CORSnet currently has 176 active stations. 16 additional stations were established in 2015 at Maitland, Picton, Katoomba, Boorowa, Dee Why, Armidale School (TAS), Kulwin, Kirrawee, Goulburn 2, Barrack Heights, East Corrimal, Coolah, Borambil, Goolgowi, Ashford and Menindee. 93% of the State's population are within 50km of two or more CORS. More than 55% of the State's population are within 10km of a CORS. New stations are proposed to future proof the Sydney and Newcastle areas. 2-4 stations will be fitted with radar reflectors (InSAR techniques) to help monitor CSG subsidence in Sydney's southwest. These 'dual sensors' will be the first of their kind in Australia.
- New 7 pillar baseline being constructed at Coffs Harbour Airport. LPI continues to maintain NATA accreditation. Evaluation and comparison of EDM spreadsheets and observation reduction software has been undertaken. Report to ICSM suggesting enhancements to software to be made prior to national implementation.
- BOSSI Candidate Exams are being held from 7-9 March. It is expected that there will be 40-50 individual assessments which will also begin to seamlessly introduce the Spatial Information competencies.
- LPI representatives, Paul Harcombe (Opening Address), Nic Gowans, David Job, Adrian White and Peter Nedelkovski gave presentations at the Australia Day Seminar in January. LPI will also be presenting at the upcoming RMS GLADS and APAS conferences.
- Surveying and Spatial Information Regulation is to be repealed and remade by 1 September 2017. Discussion will commence shortly on a timeframe for consultation and preparation of the Regulatory Impact Statement.

Changes in Representation

There have been a few recent changes to representation on the Council:

- Rebecca Nichols replaces Alan Turner as the alternative representative for ACS.
- Chris Hogan has stood down from GITA and will no longer be their representative.
- Don Urquhart has accepted the vacant SMMF representative role.

Current Representatives

ACS – Veronica Bondarew / Rebecca Nichols

GITA – Vacant

ISNSW YS – Narelle Underwood

SMMF – Venessa O'Connell, Stephen Saunders, Don Urquhart

Surveyor General – Paul Harcombe

University of Newcastle – Karl Bretreger

Executive Officer – Michael Spiteri

AIMS – Adrian Wall

ISNSW – Michael Green

MSIA – Hank Staal

SSSI – Bess Moylan

UNSW – Craig Roberts

TAFE NSW – Sue Gibbons, Peta Cox



Available Traineeships

- Cert III Surveying & Spatial Information Services
- Cert IV Surveying
- Cert IV Spatial Information Services
- Diploma Surveying
- Diploma Spatial Information Services

How to Establish a Surveying & Spatial Information Services Traineeship in YOUR workplace

1. **Employer selects Australian Apprenticeship Centre (AAC)**
Contact Australian Business Apprenticeships Centre (ABAC)
Bree Milburn ABAC Account Manager 1300 652 236
bree.milburn@australianbusiness.com.au
2. **Recruitment process to select suitable candidate**
The traineeship must be established within 3 months of an employee starting employment with your company.
3. **Employer selects a Registered Training Organisation (RTO)**
Contact Australian Business Apprenticeship Centre or TAFE NSW
4. **AAC consultant assists employer to complete required paperwork**
5. **RTO in consultation with employer develops a Training Plan**
6. **Training Plan delivery commences**
7. **Apprenticeship Centre**
Tracks trainee progress
Actions payments to employer
8. **RTO and employer assess trainee as competent**
9. **Traineeship Completed**

Surveying Education Reports

TAFE – Enrolments are strong across all institutions.

- Revisions to the Surveying & Spatial Information Services qualifications have not been endorsed at this time and therefore all Institutes will continue to deliver the existing qualifications pending the endorsement of the training package revision.
- New Skills Service Organisations (SSO) that replace Industry Skills Councils and assist in developing training packages were announced on 27 January. The SSO responsible for the Property Services Training Packages is Artibus Innovation.
- CPSISC will continue to operate for the time being, the future direction of the organisation is being considered by the board and may be announced in the near future.
- Processes have been put in place to centralise enrolment data being loaded into the electronic learning management system. It is anticipated that this will enable more timely and accurate data and information to be accessed from the system.
- Smart & Skilled enters its second year with most prices paid to RTOs for training delivery remaining the same as for 2015. One significant change in 2016 is to the eligibility requirements so that learners who have completed a higher level qualification will now be eligible for a subsidised entitlement place. Some other changes include traineeship student fees capped at \$1000, extension of fee-free Targeted Priorities Prevocational and Part Qualifications Program focussing on pre-apprenticeship and pre-traineeship training to assist individuals with choosing the right career, and introduction of “Jobs of Tomorrow Scholarships” for jobs requiring skills in science, technology, engineering or mathematics (STEM). Over 60 STEM-related qualifications at Certificate IV to Advanced Diploma level qualifications are eligible for scholarship including the Cert IV and Diploma qualifications in Surveying and Spatial Information Services. Scholarship places are limited to 1st 6250 students that successfully apply in 2016. Applications are expected to open in March.

University of Newcastle – Based on preliminary figures for 2016 enrolments in early February, there are 44 acceptances for the B. Engineering (Honours) (Surveying) degree and 19 for the surveying/civil engineering combined degree, giving a total of 63. ATAR for B. Engineering (Honours) (Surveying) degree was set at 81.25. These are only acceptances at this stage and not actual enrolled students. In comparison, there were 39 acceptances for the B. Engineering (Honours) (Surveying) program for Semester 1 2015 and 12 for the surveying/civil engineering combined program.

- University teaching for Semester 1 commences on 22 February and concludes on 3 June with mid semester recess from 25 March to 11 April and examinations from 6 June to 24 June. University teaching for Semester 2 commences on 25 July and concludes on 4 November with mid semester recess from 19 September to 3 October and examinations from 7 November to 25 November.

UNSW – Enrolments for surveying program has gone up from 10 to 26 compared to last year with 12 for the BE(Surveying) program and 14 for the BE(Civil)/BSurv program. Enrolments for the geospatial engineering program have gone down from 5 to 2 compared to last year.

- Almost 200 delegates (mainly international) attended the recent International Global Navigation Satellite System workshop hosted at UNSW. This was the first time the IGS workshop was hosted in the southern hemisphere and coincides with Gary Johnston from Geoscience Australia becoming the first Australian chair of the IGS.
- Three thesis students presented at the Australia Day seminar which UNSW thanks ISNSW for this opportunity for its students. Professor Chris Rizos also made a presentation on the trends in geodesy and possible impacts on surveying at the seminar.

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The Chair - SMIC NSW
Level 3, Block C
84 Crown Street
Wollongong, NSW, 2500
Email: smic@smicnsw.org.au
Tel: 02 4221 2439
www.smicnsw.org.au