

SMIC Training Scholarship Program

SMIC in conjunction with TAFE NSW offer a scholarship program for potential part-time teachers in Surveying and Spatial Information who are studying towards their TAE40110 Certificate IV in Training & Assessment. This qualification is a pre-requisite for teaching at TAFE. The scholarships are to a value of up to one thousand dollars.

Eligibility Criteria

- Australian citizen or permanent resident of Australia
- Made an application for or is enrolled in TAE40110
- Haven't received the scholarship previously
- Hold a recognised surveying qualification

Selection Criteria

- Meet eligibility criteria
- Academic merit
- Reasons for undertaking TAE40110
- Demonstrated teaching ability and aptitude
- Career direction, aspirations and goals
- Teaching qualities
- Motivation and attitude

Applications for the next round close **Friday 12 August 2016**.

For further information and application forms please refer to the Education Options tab under Services on our website

www.smicnsw.org.au

Or email us at

smic@smicnsw.org.au



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153rd General Meeting

The 153rd General Meeting of the Surveying & Mapping Industry Council of NSW was held on Friday 20th May at the RMS Offices in George Street Parramatta.

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

Commencements	2015	2016
Cert III in Surveying & Spatial	4	4
Cert IV in Surveying	1	0
Cert IV in Spatial	6	6
Total:	11	Total: 10

If your company 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.

You may remember that in 2014-2015 there was a project run by CIPSIC to review/redesign the national VET Surveying and Spatial qualifications. These have now been endorsed and were added to the training.gov website on 6th May. A new Vocational Training Order is being prepared for their introduction.

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.

The NSW Surveying Taskforce provided an updated report on its marketing and results. Congratulations to all of those involved on making some significant contributions to the promotion of the profession not only to potential students but also raising the profile of Surveyors in the wider community. A special note of thanks to all of those who have volunteered their time to help at a career event or visit a local high school, your contribution is appreciated. A copy of the marketing results report can be found on the SMIC website.

The Council members at SMIC voted to contribute \$2000 towards the NSW Surveying Taskforce to support the continuance of their activities in the 2016/17 financial year.

The AGM and next general meeting of the NSW Surveying & Mapping Industry Council will be held at the RMS Offices in George Street Parramatta on Friday 22nd July 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 – due to popularity, held another Strata and Community Title workshop on Wednesday 1 June

- ACS NSW has moved to a new office at Level 7, 350 Kent Street, Sydney.
- ACS NSW has relaunched its website. The new site contains more information for both members and non-members and is easier for users to navigate.
- ACS NSW has written to the Hon. Dominic Perrottet (NSW Minister for Finance, Services & Property) outlining the profession's disapproval of the proposed massive increase in LPI fees, which take effect in July.
- CSN has been successful in receiving funding from Western Australia for the next review of the 'Determining the Future Demand, Supply and Skills Gap for Surveying and Geospatial Professionals' study. This review will take place after the 2016 census.
- Practical surveying program for NSW USQ students is now launched and is delivered by Hunter TAFE Newcastle Campus over four days.

AHS – Events at the National Library in Canberra and The Beach House, 4 Colley Terrace, Glenelg SA are planned for World Hydrography Day on 21st June 2016.

- SSSI Hydrography Commission National Committee (HCNC) and Australasian Hydrographic Surveyors Certification Panel (AHSCP) held meetings on 4th and 5th February 2016 at HMAS Penguin.
- Simon Ironside (Chair) and Richard Cullen made presentations to Commission 4 during FIG Working Week 2016 (02-06 May, Christchurch, NZ) in order to establish the commitment and level of support of the Commission in moving Working Group 4.1 forward. A decision will be made whether to continue with WG 4.1 and or the FIG Commission 4 relationship post the meeting.
- IHO have release new hydrographic surveying syllabus for S5 Category A and S5 Category B.
- TAFE SA is interested in getting hydrographic surveying modules into their Spatial Information & Surveying programme.

AIMS – Upcoming AIMS events include seminar at Mt Isa on 15 July, XVI International Congress for Mine Surveying in Brisbane on 12-16 September, Seminar in Perth in October, and seminar in Singleton on 18 November.

- Conference was held in Mudgee on 12 March with 70 people in attendance.
- Technology day was held in Moranbah on 18 May with 63 people participating in a series of rotating sessions through various different surveying technologies.
- AIMS are offering Curtin University student scholarships for 2nd and 3rd year surveying students.
- Dustin Calpardo was awarded the AIMMS scholarship for USQ.
- Callum McNaughton has taken up a position with USQ teaching the mine surveying curriculum.
- Workshops have recently been held in Singleton and Mudgee to discuss general and immediate supervision amongst members. Discussions were robust and further workshops are planned.
- AIMS website has been refreshed.

ISNSW – Corporate membership has grown over the past year by about 60.

- ISNSW held an evening function and history seminar on June 4 to celebrate its 125th anniversary.
- The ISNSW Board will be holding its July meeting in conjunction with the Murray Group in Albury.
- Implementation of Strategic Plan has been on hold until office staff position settles. Sheila Blintongog has been appointed as Administration Assistant. ISNSW Board members recently attended a workshop ran by the Administration Forum. ISNSW has commenced a review of existing committees which may result in decreasing the number of committees from 30 to 15.
- New definitions for Student and Working Student have been developed and will be put forward at the next AGM for incorporation in ISNSW's Constitution.
- The Surveying Practice and Legislative (SP&L) Committee is formulating a scheme for the accreditation of engineering surveyors. This scheme is to be based on the process that has been adopted by the Queensland Board of Surveyors.
- ISNSW is carrying out a review of CPD events in terms of their acceptance as worthy of being a CPD event and how many points should be allocated to particular events.
- ISNSW supported the attendance of 5 young surveyors at FIG in Christchurch, New Zealand. The 5 young surveyors were Tom Kitto, Ailesh MacGillicuddy, Ben Jackson, Lisa Powell and Cameron Wardle. They received a \$2,000 scholarship which was supported by ISNSW, ACS and the Southern Group. In addition to the scholarship they also received a voucher to the value of \$600 from Position Partners.
- ISNSW has held meetings with the Senior Policy Adviser (Heritage) regarding the future of the Lands Department Building, Treasury Officials regarding the split-up of the LPI and proposed disposal of an area with LPI, and the Adviser to the Treasurer regarding the future of BOSSI.
- Hallmann has been converted to an e-version. Chapters have been reviewed by ISNSW Board members and e-version will now be updated.

Industry Reports Continued

SMMF – The recent passing of former SSMF member delegate Bob Markham (Transgrid) was noted.

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- The Association of Public Authority Surveyors (APAS) held their conference at Leura Fairmont Resort on 4-6 April 2016. The conference including many presentations on various topics such as GDA2020, cadastral reform, urban/rural riparian boundaries, stratum boundaries for road infrastructure, CORSNNet, innovation, and work safety. The conference also included a golf day to start off proceedings and a dinner. At the dinner a photo tribute was organised in memory of Grant Kilpatrick. Highlight of the conference was the presentation at the dinner by Warwick Holmes regarding the European Space Agency's Rosetta mission to Comet-67P. The conference was very well attended including an increasing number of private sector surveyors

SSSI – SSSI is now entering into the 'membership consultation phase' of its governance, structure and constitutional review process.

- Locate 16 conference presentations are available at locateconference.com/presentation-downloads.
- In April 2017 the Locate conference will join with the International Society for Digital Earth (ISDE) Symposium in Sydney at the International Sydney Convention and Exhibition Centre.
- It is pleasing to note the finalists and award winners from NSW at the 2015 APSEA awards. A full list of finalists can be found at locateconference.com/apsea and winners at locateconference.com/2016/04/19/spatial-excellence-celebrated-at-locate16-conference.
- A GIS Project workshop was held on 18th June. Workshop was designed to provide guidelines for managing GIS programs and will look at the various organisational and technical issues program managers must address in order to develop a successful GIS program.
- A joint YP Seminar with ISNSW is planned with details to come out in the near future.
- Australian and New Zealand Maps will be holding their annual conference on 7-9 September in Wollongong. The theme for the conference is 'Encircled by sea: mapping the coastal communities of Australian and New Zealand.'

Surveyor General – LPI staff is currently very busy on getting restructure in place by 1 July. Restructure will involve splitting the organisation into three being the Valuation, Titling, and Spatial Services. Titling is to be further divided into two organisations with one covering the operation side of titling and the other the regulatory side. As part of restructure a new Registrar General and Surveyor General will be appointed.

- The Surveying and Spatial Information Regulation is due to be remade in September 2017. A draft needs to be completed by November 2016. LPI are to meet with representatives from the professional organisations in June to discover potential changes.

Surveying Education Reports

TAFE – Revised qualifications in Surveying and Spatial Information Services have been approved by AISC. TAFE institutes will now work towards offering new qualifications in the next 12-18 months.

Sydney Institute

- Enrolments for first semester have been strong with approximately 104 enrolments for the Certificate III Full time and Part time cohorts, and three continuing Diploma Classes (Surveying and Spatial). Sydney TAFE also has three commercial courses running in a long standing relationship with LPI.
- There was limited interest from the recent advertisement for Part Time Surveying and Spatial Teachers. Institute is still interested in employing more teachers and the Head Teachers at Sydney TAFE Surveying and Spatial Section should be contacted if anyone is interested. Cert 4 in Training and Assessment will need to be completed for the position. SMIC does offer a scholarship for people to undertake the Cert 4 training.

Hunter Institute

- Currently have 32 students enrolled in CPP30112 and 24 students in CPP50112. Expecting around 27 students to do CPP40112 in next semester after completion of CPP30112.

Riverina Institute

- Enrolment numbers continue to increase in the Certificate III Surveying and Spatial Information Systems, Certificate IV Spatial Information Systems, Diploma Spatial Information Services, and Diploma Surveying with the majority of students being from NSW. There have not been any enrolments for the Certificate IV Surveying this year. There has been an outstanding response to the Smart and Skilled Fee Free offerings for the two spatial short courses run by the Institute.
- Institute is currently recruiting additional part-time surveying and spatial teachers and have recruited a Remote Pilot Aircraft System (RPAS) teacher, who will be developing short courses and CASA accredited training from July 2016.

UNSW – International Global Navigation Satellite System (IGNSS) are holding a conference at UNSW on 6-8 December. The conference will showcase a number of contemporary topics including the role of PNT in automated land and aerial vehicles, the growing range of commercial precise positioning services, hard infrastructure issues such as space based augmentation systems, and soft infrastructure issues such as datum modernisation and mitigation of system vulnerabilities. These hot topics will be discussed in the context of the latest system developments fuelling the Multi-GNSS Era. Abstract deadline Monday 4th July. See more at: <http://www.acser.unsw.edu.au/IGNSS2016#sthash.xxxSTdT5.dpuf>

- UNSW supported the recent Maths in Surveying Day with equipment, student volunteers and a guest appearance from Bruce Harvey.
- UNSW has also hosted high school students at an information day on campus and will host another group of year 10 students in June for work experience week on campus.
- New brochures and a new prospectus have been produced for 2016.



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 Continued

University of Newcastle – Student enrolments for 2016 are 36 students for the B. Engineering (Honours) (Surveying) degree and 18 for the surveying/civil engineering combined degree. The ATAR cut off for the B. Engineering (Honours) (Surveying) degree was 81.25. Currently there are 130 students enrolled in the single surveying degree and 43 enrolled in the combine degree, totalling 173, the highest since 1997. Sixteen students graduated from studies completed at the end of 2015. The University is offering mid-year enrolments in all engineering degrees in 2016.

- The University of Newcastle surveying group was selected by NASA to participate in Gravity Recovery and Climate Experiment (GRACE) satellite missions after international competition. This program has involved the mapping of global gravity fields from space since 2002. New PhD Student, Fukai Peng, has started their studies in October 2015 and will be focussing on satellite coastal altimetry research into re-tracking altimeter data from both conventional and SAR altimetry missions, and sea-level variability due to climate change in coastal zones under the supervision of Dr Xiaoli Deng. PhD student, Sahan Dandeniya recently presented his research on GPS-based approach of monitoring sea level change near the Port of Newcastle at the IGS workshop (UNSW, Sydney) in February 2016. He developed new inversion technique to analyse GPS 'multipath' signals reflected from the sea surface using the standard data recorded by one of the GNSS CORS network near the Port. Currently there are seven PhD students in the surveying group at the University.
- The surveying group has recently had visits from the University of Maryland (USA) and NASA's Goddard Space Flight Center to discuss development of next generation gravity sensors for the Earth and Mars and on-going viscoelastic deformation after earthquakes.
- The second year Computing class were recently visited by local Hunter Manning Group surveyors who gave presentations on subdivision plans and surveying practice issues. Hunter Manning Group surveyors also visited the first year surveying students and discussed the life as a surveyor.
- Faculty has undertaken a major revision of all undergraduate engineering programs, which is the first step in the development of a full range of engineering coursework masters. Delivery of the revised program will commence in Semester 1 2017 with progressive rollout in conjunction with progressive discontinuation of the existing programs. Changes include introduction of 40 units of engineering professional practice and 40 units of minor (elective) courses for all engineering degrees. This has resulted in some changes to the surveying degree in relation to electives/options, however the core surveying courses are still retained as compulsory courses for all surveying students.
- Surveying Programme Advisory Committee meeting was held on 26 May.
- The Surveying Student Society has held one function so far this year, with more planned for later in the year.

Keep up to date, ask questions, or share information with SMIC by joining:



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The Chair - SMIC NSW
Level 4, Suite A
99 Phillip Street
Parramatta NSW 2150
Email: smic@smicnsw.org.au
Tel: 02 8837 0440
www.smicnsw.org.au