Leica GS18 T

Measure where others can’t with the world’s fastest GNSS RTK rover

The Leica GS18 T is the fastest and easiest to use GNSS smart antenna now that you no longer need to hold the pole vertical. This is thanks to the first true tilt compensation solution that is immune to magnetic disturbances and calibration free! Without the need to level in the field any longer, and the ability to measure points where others can’t, you can realise up to 20 per cent time savings. Your field crews become more productive and you can complete more jobs in less time with the GS18 T.

With integrated quality assurance, the Leica GS18 T smart antenna measures the pole tilt values and stores these for each measurement, ensuring measurement traceability and complete quality reporting.

Combining the Leica GS18 T with the revolutionary Captivate software turns complex data into the most realistic and workable 3D models to help make informed, real-time decisions.

Experience what it’s like to forget the bubble.

Call 1300 886 982 for a Leica GS18 T demonstration.
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NGIS Australia is a full service spatial consultancy. We specialise in developing fit for purpose and engaging web and mobile application solutions for complex business problems, using powerful mapping technologies. We are thought leaders in the field of innovation for mining, water management, transport, agriculture and emergency management.

WHEN ONLY INNOVATION WILL DO.

NGIS works with organisations to take their ideas and make them a reality. Whether it is bespoke development, analysis and improvement, training, licensing or GIS capacity, NGIS can help you deliver award winning projects.

See the work we do and get in touch:

ngis.com.au
Welcome to Insight 2018

The Western Australian Region of the SSSI has a dedicated and enthusiastic committee committed to providing a high quality Continuing Professional Development (CPD) program for surveying and spatial experts.

This year the committee has pulled together a new look eMagazine ‘Insight 2018’ to provide you with this year’s program of events including conferences, workshops and seminars that showcase the very best and most up-to-date surveying and spatial sciences technologies and systems.

These events and opportunities are made possible with contributions from our members and the support of our sustaining partners, corporate members and SSSI supporters. We thank you all for your continued sponsorship and for supporting our profession in so many innovative ways.

Lookout for event flyers for more details.

Come and meet likeminded professionals - exchange knowledge and build friendships at our fun networking opportunities. Our student members join free and we have an increasing active network of professionals supporting our young professionals - sharing their knowledge, experience and technical skills.

Insight 2018 also celebrates our award winners for 2017, academic achievers; and our Honorary Fellows, Fellows and volunteers who have contributed over many years to the success of our Institute and industry to make it what it is today – a fast paced industry that is the backbone of many other professions.

Bookmark our website at https://sssi.org.au/sssi-community/regions/western-australia/events and check back regularly as we continually update it with new events.

Networking made easy……..
About Your Institute

The Surveying & Spatial Sciences Institute (SSSI) is the national peak body for professional people who make up the spatial information industry.

SSSI gives a voice to members of the surveying and spatial sciences community at a local, national and international level.

Our members work in diverse roles across various sectors, industries and organisations, including academia, government, and private and public practice throughout Australia and New Zealand.

SSSI accommodates the changing nature of the industry while honouring and building upon the traditions, values and history of its founding institutions.

We represent the interests of our members to government, industry, academia and the general public by actively engaging our membership and local and international bodies on public policy, government legislation and regulatory issues.

Our key principles are:

- To empower Members to strive for excellence in the application and practice of spatial science for the benefit of the community;
- To represent, support, provide for and promote the professional interests of members that work in the spatial industry and all its disciplines;
- To provide a regional and national identity to enable the development of the spatial industry as a whole;
- To enhance the professional character and status of members who practice in the spatial sciences as worthy contributors to the community.

Our Vision

To provide a globally recognised forum for the spatial sciences community that leads, promotes, advocates and delivers excellence.

Our Mission

SSSI’s mission is to develop professional excellence, provide a support network and enrich the professional lives of its members.
Our Five Commissions

The SSSI commissions represent and support the interests of our specialists in Engineering and Mining Surveying, Land Surveying, Spatial Information and Cartography, Remote Sensing and Photogrammetry and Hydrography.

**Our Engineering and Mining Surveyors** are usually the first to be called upon to provide technical data for planning and design for any development no matter how large or small. They take measurements of the natural environment using satellite measuring equipment, laser scanners and total stations to produce accurate 3-dimensional models used in construction and the monitoring of mine sites. Engineering and Mining Surveyors are relied upon to protect the services we rely on, and ensure the safety and wellbeing of people during and after construction.

**Our Land Surveyors** measure just about anything. Our modern society depends on surveyors to ensure order in the physical world around us. Without Surveyors, we would not know where to position roads, build homes or develop cities. Surveyors use satellite imagery, GNSS, GPS, laser scanners, total stations and mapping software to measure things and represent them in two and three dimensional plans. They work on a diverse variety of projects from land subdivision and mining exploration, to tunnel building and major infrastructure construction.

**Our Spatial Scientists** help other disciplines to make sense of their data through the management of spatial databases and production of maps, which are vital for decision making. Every event or activity we perform in our daily lives involves spatial information. Whether it be determining the best site for a new hospital, choosing a business location, staging a community event or responding to an emergency – spatial scientists make it possible to make these decisions in a measured and rigorous manner.

**Our Remote Sensing and Photogrammetric Scientists** use modern airborne, satellite and terrestrial based LiDAR imagery for observing and measuring objects or phenomena without actually coming into direct contact with them. They support topographic mapping, mineral exploration, engineering, archaeology, medicine, law and machine vision applications; and play a crucial role in emergency management and response for fire and flood, and measuring and monitoring changes in the environment.

**Our Hydrographic Surveyors** are specialists in precise positioning and data acquisition in marine environments. They work in a wide range of situations and applications from inland waters and rivers, to ports and deep oceans. The hydrographic surveyor is crucial to providing accurate and reliable information for navigation; oil, gas and mineral resource exploration and recovery; dredging and coastal works; bridge and port construction; submarine pipeline and telephone cable construction; environmental monitoring, aquaculture and oceanographic research.
Regional Management Committee

Dr Lesley Arnold | Chair
Director | Geospatial Frameworks | chair.wa@sssi.org.au
Lesley is a spatial data infrastructure specialist consulting locally, nationally and internationally.

Sarah Edwards | Vice Chair
Senior Consultant | SJ Community Development Consulting | sarah.edwards.urban.planner@gmail.com.
Sarah is a consultant specialising in urban planning.

Kerry Smyth | Treasurer, SSSI Board Director
National Chair, Spatial Information and Cartography Commission
Director | Spatialize | chair.sicc@sssi.org.au
Kerry is a freelance spatial information consultant and Councillor for the City of Nedlands.

Aaron Gibson | Chair, Land Surveying Commission WA
Licenced Surveyor | Denada Surveys | aaron.gibson@denada.net.au
Aaron is a Licensed Surveyor at Denada Surveys and undertakes all manner of authorised land surveys as well as engineering and high rise projects. Aaron is a Curtin University graduate and holds a Bachelor’s Degree.

Dr Goran Alibegovic | Chair Remote Sensing and Photogrammetry Commission WA
Manager Spatial Services | Department of Water and Environmental Regulation | Goran.Alibegovic@dwer.wa.gov.au
Goran is a spatial scientist with research interests in Remote Sensing technologies for land cover classification, change detection and radiometric normalisation.

Paul Kennedy | Chair, Hydrography Commission WA
Operations Manager | Fugro | p.kennedy@fugro.com
Paul is a qualified Offshore Surveyor with interests in research and development.

Tony Snow | Chair, Engineering and Mining Surveying Commission WA
Senior Lecturer | Curtin University | T.Snow@curtin.edu.au
Tony lectures in Engineering and Mine Surveying. He is a Licensed Surveyor and has travelled throughout the outback of Australia.

Kerryn Stanes | SSSI, Regional Office Manager
Regional Office Manager | SSSI | admin@SSSI.org.au
Kerryn comes to SSSI with a strong background in Project Management
**Nawaraj Tiwari** | Young Professional Representative  
GIS Consultant | Sendero Resources | nawaraj01@gmail.com  
Nawaraj has a Masters in GIS and Remote Sensing from Queensland University of Technology. His research interests are landscape resistance modelling for ecological connectivity and spatial distribution and analysis.

**Daniel Gunasekaran** | Student Representative  
Assistant Surveyor | RM Surveys | danielchazgunasekaran@gmail.com  
Daniel works at RM Surveys as Assistant Surveyor and is studying at Curtin University to become a Licensed Land and Mine Surveyor.

**Arfanara Najnin** | Student Representative  
PhD Research Scholar | Curtin University | pnajnin@gmail.com  
Arfanara’s research area is in transport modelling from a spatio-temporal perspective. She also works as a Transport Modeller with Uloth and Associates.

**Dr David Belton** | Committee Member  
Senior Research fellow | Curtin University | D.Belton@curtin.edu.au  
David researches and lectures in mobile systems, laser scanning, photogrammetry and drones, and project experience in heritage, mining and engineering, structural monitoring and data analysis.

**Dr Petra Helmholz** | Committee Member | National Remote Sensing and Photogrammetry WA Representative  
Senior Lecturer | Curtin University | petra.helmholz@curtin.edu.au  
Petra Helmholz is recognised locally, nationally and internationally for her research in photogrammetry, laser scanning, underwater photogrammetry and drones.

**Linda Skoog** | Committee Member  
Technical Support Manager | Spookfish Pty Ltd | linda.skoog@spookfish.com  
Linda is a GIS Specialist and has worked across international development projects for the last 15 years; she’s now sharing her expertise with an innovative aerial imagery start-up, Spookfish Ltd.

**Pat Burke** | Committee Member  
Principal Lecturer | North Metro TAFE | Pat.Burke@nmtafe.wa.edu.au  
Pat is a Principal Lecturer at North Metropolitan TAFE and is teaching in GIS and Surveying. Pat has qualifications in Cartography, Surveying and Teaching.

**Danielle Stefani** | Co-opted Volunteer  
Director | Stefani Consulting Services | scservices@iinet.net.au  
Danielle is an expert in geographic naming and land development processes. She is supporting the RMC and events management.
SLIP slides into the future

Landgate’s Shared Location Information Platform (SLIP) is changing. Are you ready for a new and improved experience?

SLIP provides access to a vast array of government and private sector datasets presented visually in convenient map and imagery services.

The full range of spatial data and imagery services can now only be accessed through the new Esri-based SLIP. SLIP Classic (Enabler) has been retired.

If you are a SLIP Classic user, you’ll need to switch your account to access the new service. It’s quite simple: all the instructions you’ll need are on data.wa.gov.au/slip, including guides on how to find and load data in your GIS software, and information on registering accounts. Check out the Data Toolkit section of the site.

SLIP offers both public and subscription services. If you would like to find out more about SLIP, please contact the Landgate Business Sales and Service team at salesandservice@landgate.wa.gov.au. landgate.wa.gov.au
Our Legends

From time to time, SSSI confers individual members with the title ‘Fellow’ or ‘Honorary Fellow’ in recognition of their significant contribution to the Institute or to the profession, and are outstanding in character and well-recognised by both the membership and the community.

SSSI-WA is privileged to have the following ‘Fellows’ and ‘Honorary Fellows’ who still serve honourably and contribute immensely to the wellbeing and development of the Institute and the profession and, more importantly, the larger community they are connected with.

To nominate a member of our profession, please contact Kerryn Stanes for information.

Honorary Fellows

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>R.L. Browne</td>
</tr>
<tr>
<td>2006</td>
<td>S. Nixon</td>
</tr>
<tr>
<td>2007</td>
<td>K.A. Pownall</td>
</tr>
<tr>
<td>2008</td>
<td>G. Searle</td>
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Our Fellows

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>2006</td>
<td>G.I. Metternicht</td>
</tr>
<tr>
<td>2006</td>
<td>J.A. McMullen</td>
</tr>
<tr>
<td>2010</td>
<td>M. Leybourne</td>
</tr>
<tr>
<td>2015</td>
<td>P. Douglas</td>
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Past Chairs

<table>
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<tr>
<th>Year</th>
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<tr>
<td>2003-06</td>
<td>A.J. Snow</td>
</tr>
<tr>
<td>2006-08</td>
<td>M. Leybourne</td>
</tr>
<tr>
<td>2008-09</td>
<td>W. Shattock</td>
</tr>
<tr>
<td>2009-13</td>
<td>P.C. Douglas</td>
</tr>
<tr>
<td>2013-17</td>
<td>K.A Smyth</td>
</tr>
</tbody>
</table>

Past SSSI President

2015-2016 Bernard O’Sullivan

Fellows Alumni

SSSI WA recognise with gratitude the honorary fellows and fellows who have contributed to our wider industry prior to the establishment of SSSI.

ISA – Hon. Fellows

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
</tr>
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<tbody>
<tr>
<td>1953</td>
<td>W.F. Rudall</td>
</tr>
<tr>
<td>1953</td>
<td>A.J. Bennet</td>
</tr>
<tr>
<td>1953</td>
<td>P.G.S Hope</td>
</tr>
<tr>
<td>1971</td>
<td>S. J. Stokes</td>
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<tr>
<td>1975</td>
<td>W.V. Fyfe</td>
</tr>
<tr>
<td>1977</td>
<td>H.C. Barclay</td>
</tr>
<tr>
<td>1983</td>
<td>D.C. Brown</td>
</tr>
<tr>
<td>1991</td>
<td>C.W. Warren</td>
</tr>
<tr>
<td>1997</td>
<td>P.M. Byrne</td>
</tr>
<tr>
<td>2003</td>
<td>J.A.L. Cavill</td>
</tr>
<tr>
<td>2003</td>
<td>E.A. McKinnon</td>
</tr>
</tbody>
</table>

ISA - Fellows

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
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<tbody>
<tr>
<td>1962</td>
<td>C.L Findlay</td>
</tr>
<tr>
<td>1662</td>
<td>W.F Johns</td>
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<tr>
<td>1662</td>
<td>J.F. Morgan</td>
</tr>
<tr>
<td>1665</td>
<td>W.T. Meharry</td>
</tr>
<tr>
<td>1965</td>
<td>J.H. Urbahns</td>
</tr>
<tr>
<td>1967</td>
<td>E. Brook</td>
</tr>
<tr>
<td>1967</td>
<td>C.W. Warren</td>
</tr>
<tr>
<td>1967</td>
<td>J.O. Ewing</td>
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<tr>
<td>1967</td>
<td>W.G. Henderson</td>
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<tr>
<td>1970</td>
<td>D.C Brown</td>
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<tr>
<td>1972</td>
<td>M.C. Hall</td>
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<tr>
<td>1975</td>
<td>R.K. Moreland</td>
</tr>
<tr>
<td>1977</td>
<td>P.M. Byrne</td>
</tr>
<tr>
<td>1977</td>
<td>W.F. Johnson</td>
</tr>
</tbody>
</table>

1981 | C.A Grant   |
1981 | A.C. Lockhart|
1981 | L. White     |
1983 | E.A. McKinnon|
1985 | M.J. McKimmie|
1985 | M.A. Morrison|
1985 | J.A. Kaval   |
1987 | H.J. Houghton|
1988 | N.E. Browne  |
1988 | R.J. Rule    |
1989 | R.J. Benetti |
1989 | I.F. Cameron |
1990 | G. Bebb      |
1990 | K.A. Pownall |
1991 | C.J. Earles  |
1991 | R.G. Edwards |
1991 | I.F. Moss    |
1991 | W.G. Cotterell|
1991 | L. Heavey    |
1992 | S.W. Munnie  |
1992 | E.A Harley   |
1993 | P.R. Blackadder|
1993 | R.L. Browne  |
1995 | K.R. Lewis   |
1996 | A.A. Porteous|
1996 | L.W. Johnson |
1997 | B.G. Cribb   |

1997 | G.E. Marion |
1997 | K.D. Phillips|
1997 | K. Alexander |
1998 | T.L. Markey  |
1999 | E. J Horlin  |
2000 | W.E. Featherstone|
2002 | M.A.B. Jones |
2002 | C.N. Shipp   |

AURISA

E.M. Browne – Hon.Fellow
D. Milton - Fellow
G.B. Veenendaal - Fellow

IEMSA

H.A. Adie-Cooper – Fellow
D.M. Attrill – Fellow
H.A. Kuenen – Fellow
A.M. Milne - Fellow
A.M Pivac – Fellow
A.J. Snow – Fellow
T.W. Van Raven - Fellow

MSIA

P.J. Bowen – Hon. Fellow
D.B. Johnston – Hon.Fellow
G.D. Lodwick – Fellow
R.W. Ptolomy - Fellow
P.A. Shaw – Fellow
G.L Wright - Fellow
And the Winners Are!

Each year the Surveying and Spatial Industry gathers to recognise talented individuals who are truly outstanding achievers in their fields. Congratulations are extended to our 2017 winners Dione Bilick, Pat Burke, Petra Helmholz, David Ibbotson, Khandu and Lewis Walsh. They now progress as nominees for the Asia Pacific Excellence Awards, which will be announced at a gala dinner at Locate 18, to be held in Adelaide, 8-11 April. We wish them every success.

Dione Bilick - Professional of the Year

Dione has recently been appointed as the Western Australian Surveyor General, joining a list of just 20 people who have held the position since 1829. This appointment is testament to Dione's longstanding advocacy to the surveying profession. From the very beginning of her career at Landgate, she has had an affinity with the surveying industry and has driven change to service the industry needs. Her contribution to the automation of Landgate’s business processes that serve surveyors and the property industry has been significant and this in turn has delivered faster approvals and economic benefits to the State.

Pat Burke - Leadership Award

Patricia Burke is a Principal Lecturer at North Metropolitan TAFE where she improves teaching and learning for students, aligns skills development to industry needs, and manages curriculum standards to meet Australia’s academic and technical requirements. As well as her TAFE roles, Pat has been very active in industrial relations and has achieved substantial improvements to TAFE working conditions and salary. Pat has made a significant contribution to CPD through various initiatives and has specifically championed opportunities for girls and young women to pursue a career in science and technology. Pat is a high achiever in all respects - through her academic phase, her teaching and industrial advocacy as well as her involvement in the many committees and institutions. She is held in the highest respect by all her peers.

Petra Helmholz - Education Development Award

Petra is recognised locally, nationally and internationally for her research in photogrammetry and laser scanning for heritage mapping; archaeology and engineering applications; and underwater photogrammetry and mapping using drones. She is highly regarded by her students and contributes extensively to SSSI, organising events that support the industry and the community. Whilst she has only been at Curtin University for 5 short years, she has made a considerable research contribution through her supervision of PhD, Masters and Bachelors students as well as academic staff and research assistants. Her extra-curricular activities of the Spatial Colloquia and the Student Survey Expedition further cement her dedication and enthusiasm to the surveying and spatial industry.
David Ibbotson - Young Professional of the Year

David is a career driven spatial professional who at the age of 30 is now Survey Manager for the Salini Impregilo – NRW Joint Venture, Perth Airport Rail Tunnel Project, managing a team of over 8 surveyors operating state of the art Tunnel Boring Machines. David was given the responsibility to choose his own team of professionals with suitable skills to deliver this significant engineering project. He intends to build the knowledge and ability of the local spatial and surveying industry in this state of the art technology for the betterment of the local industry. David is a true leader, a guru in machine guidance technology and is held in the highest esteem by his supervisors and peers. Unfortunately, David was unable to attend the awards ceremony.

Khandu - Postgraduate Student Award

Khandu’s PhD provides an improved understanding of climate change impacts on water resources in the Ganges–Brahmaputra–Meghna River Basin, which has a population of 650 million. His research uses a combination of in-situ and satellite remote sensing observations, state-of-the-art regional climate modelling, and hydrological modelling approaches. His study considers novel approaches to using GNSS data for atmospheric modelling. Khandu won the 2013 International Climate Change Award for his research and is Curtin University’s 2017 best Spatial Sciences PhD student.

Lewis Walsh - Undergraduate Student Award

Lewis’ project established a permanent Terrestrial Laser Scanning calibration facility and associated software to provide a local and accessible test range for both Curtin University and Industry. The project conducted a review of current research and methodologies and also provided in depth background into the mathematics and rigorous adjustment theory to perform TLS calibrations. Both were performed at a level beyond typical undergraduate work.

SSSI WA Chair Citations Awarded to Peter Douglas and Tony Snow

Peter Douglas has had a long and eminent career as a TAFE educator and licensed surveyor. He has served on the surveying and spatial sciences professional bodies for many years and provided distinguished service as WA Chair 2009-13 and WA Treasurer 2013-17.

Tony Snow has a long and distinguished career as a University educator and licensed surveyor. He has served on the WA Land Surveyors Licensing Board and Mine Surveyors Board for many years and undertaken many executive roles on surveying and spatial sciences professional bodies.
Celebrating Our Best

We can’t pass up an opportunity to celebrate those individuals who have won awards¹. Many of our Western Australian winners have also gone on to win the Asia Pacific Spatial Excellence Award.

Professional of the Year
2016 – Damian Shepherd
2015 – Kerry Smyth
2014 – Geoff West
2013 – Linda Morgan (APSEA Winner)
2012 – James Spath
2011 – Piers Higgs
2010 – Colin Shipp
2008 – Tony Snow

2011 – Peter Douglas
2010 – Robert Corner
2007 – Bert Veenendaal

Postgraduate Student Award
2016 – Viet Nguyen
2015 – Amir Khodabendeh
2014 – Carolyn Martin
2013 – Xin Liu (APSEA Winner)
2012 – Jacob Delfos
2011 – Deavi Purnomo
2010 – Bernhard Klingseisen
2008 – Tod Robinson
2007 – Georgina Warren
2006 – Lesley Arnold

Young Professional of the Year
2015 – Katherine Townsley
2014 – Bernard O’Sullivan
2013 – Nathan Eaton (APSEA Winner)
2012 – Chris Schroder
2011 – Nicholas Flett
2010 – Drew France
2008 – Chris Tweedy and Darren Mottolini

2011 – Peter Douglas
2010 – Robert Corner
2007 – Bert Veenendaal

Undergraduate Student Award
2016 – Todd Lyons (APSEA Winner)
2015 – Rebekah Daley
2014 – Baocheng (Morris) Yang
2013 – Jake Buswell (APSEA Winner)
2012 – Murray Quakernaat
2011 – Stuart Gralton
2010 – Charlotte Plug
2008 – Patrick Fitzgerald (APSEA Winner)

Education Development Award
2016 – Bryan Boruff
2015 – Mentors and Sponsors of Student Survey Expedition
2014 – David McMeekin
2013 – Jianhong Xia
2012 – Michael Kuhn

2011 – Peter Douglas
2010 – Robert Corner
2007 – Bert Veenendaal

¹ Our records prior to 2010 are a bit sketchy - please help us get the details right by sending updates to Kerryn Stanes (admin.wa@ssi.org.au). Many thanks.
Professional Eminence and Excellence in Spatial Sciences
2011 – Ed Mckinnon
2010 – Stuart Nixon (APSEA Winner)
2008 – Graham Searle
2007 – Will Featherstone

Chair’s Citation
2011 – Michael Ridout
2007 – Philip Houweling
2010 – Renny Leo
2008 – Wing Shattock

Other Esteemed Awards
2011 – Liz Marjot (Teacher of the Year)
2011 – Kerry Smyth and Renee Glasson (Certificate of Recognition)
2011 – Armin Tuka (Certificate of Merit)
2010 – Renny Leo
2010 – Tim Kramer (Teacher of the Year)
2009 – Pam Tuffin (Teacher of the Year)
2008 – Peter Houweling (Spatial Teacher of the Year)

SSSI WA thanks Linda Morgan
Awards Committee Chair 2017

Special Achievement Award
2014 – James Langley
2013 – Graham Marion

Service to the WA SSSI Community Award
2013 – Bernard O’Sullivan
2012 – Ray Watson
2009 – Graham Marion (APSEA Winner)
2008 – Eugene Browne
2011 – Asshe Craven

Who will you nominate in 2018?...
Mapping your future with Curtin’s spatial sciences

Whether you’re starting your study journey or looking to enhance your existing career, Curtin University has a range of spatial sciences courses that will help you position yourself for the future.

UNDERGRADUATE

Curtin offers a number of comprehensive degree programs including geographic information science, and Western Australia’s only surveying and mine and engineering surveying courses. Our double degrees can also help you broaden your career prospects.

POSTGRADUATE

Many of Curtin’s postgraduate spatial sciences courses are available to complete online, so you can boost your existing skills while enjoying flexible study. Or join the next generation of researchers with a Higher Degree by Research.

Start mapping your career today by exploring Curtin’s spatial sciences courses.
spatial.curtin.edu.au
Our Top Students Recognised

Each year, Curtin University’s Spatial Sciences Department holds an Awards Ceremony to honour the top performing students. SSSI WA have been donating prizes each year to recognise outstanding achievements by our future leaders.

And the 2017 outstanding achievers are....

**The John Forrest Prize** - awarded to the dux of the Bachelor of Surveying program.  
Lewis Walsh

**The N S Bartlett Memorial Award** - awarded to the dux of the Bachelor of Science (GIS) program.  
Liam Robinson

**The D B Johnston Award for Excellence** - awarded to the best overall postgraduate student.  
Dr. Khandu

**The John Cavill Memorial Prize** - awarded to the best graduating student in the area of applied field surveying.  
Lewis Walsh

**Spatial Information and Cartography Commission Award for Excellence** - awarded to the best first year student in the Bachelor of Science (GIS) program.  
Harvey Chen

**C W A Lewis Memorial Award** - awarded to the best second year student in the Bachelor of Science (Geographic Information Science) program.  
Sophia Pellicioli

**Engineering and Mine Surveying Commission Prize** - awarded to the dux of the Bachelor of Science (Mine and Engineering Surveying) program.  
Cody Snabel

**The Tony Pivac Prize** - awarded to the best student in the subjects of engineering surveying and mine surveying.  
Matt Jilley
# Events Program 2018

## January

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
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For Our Land Surveyor’s

Cadastral Interest Group Meetings

These meetings are held every fourth Tuesday of the Month and are a great opportunity to meet up with fellow surveyors and representatives from Landgate and the Land Surveyors Licensing Board. It’s a great opportunity to keep up-to-date. As well as the great conversation you can enjoy some pizza, wine and 1.5 CPD points with the Land Surveyors Licensing Board - accumulate them early so that you don’t have to worry come December and License renewal time.

Want to bring someone who isn’t a member? Not a problem - the classic exchange of a bottle of red wine will get you in.

Evening Seminars

We have 3 seminars planned this year in addition to the annual conference and the regional seminar. Save the following dates:

- Thursday the 22nd of February;
- Thursday the 28th of June and;
- Thursday the 15th of November

These social and professional events are held at Curtin University and are a great opportunity to gather knowledge on a variety of topics, whether they are technical surveying points, running a business, managing your finances or looking after your health. After the presentations you have the opportunity to gather your thoughts, enjoy some refreshments and catch up with your fellow surveyors.

Presentations are recorded and are available if you want to follow up on a topic you missed.

If you have any topics you would like to see presented, please don’t hesitate to get in touch with Kerryn Stanes (admin.wa@ssi.org.au) or approach the Land Surveying Commission Chair, Aaron Gibson (aaron.gibson@denada.net.au).

Regional Seminar

The 2018 regional seminar is planned for Friday the 15th of June at a regional venue that is yet to be confirmed. As this is on a Friday it’s a great opportunity to have a weekend away.

Call for presentations out now.....

Interested in presenting at and upcoming Land Surveying Commission event? Many of you have completed successful and innovative projects that have significant value for the whole surveying community. Please share your stories. To start things rolling, simply send through a short description of around 50 – 100 words to Kerryn Stanes (admin.wa@ssi.org.au).
Going Places

This popular autumn and spring seminar series is on again.....

Going Places is a joint initiative by WA’s Spatial Information & Cartography (SI&C) and Remote Sensing & Photogrammetry (RSP) Commissions.

The aim is to provide an opportunity for individuals and teams to share “knowhow” in an informal, interactive setting with other like-minded spatial professionals.

Continuous Professional Development (CPD) points are available for attendees, presenters and organisers. The SSSI Going Places Seminar Series specifically aims to encourage:

- Growth and the pursuit of post-graduate and further education
- Pathways for graduate transition to employment
- Confidence building opportunities for developing professionals to trial first time presentations
- Mentoring and leadership through showcasing individual career journeys
- Networking for SI&C and P&RS commission members with other professionals

Earth, Water, Fire, and Air – 2018 Theme

We would love to hear your story at Going Places. Call Kerry Smyth, Chair Spatial Information and Cartography Commission (bkerphil@bigpond.net.au) or Goran Alibegovic, Chair Photogrammetry and Remote Sensing Commission (goran.alibegovic@dwer.wa.gov.au).

Finding Funding – 2017 Theme

A big thank you to last year’s speakers for their presentations on funding innovation:

- Clemency Whittles: Turtles in Dampier Archipelago
- Sally Wallace: Community Sport Circuit Design Grants
- Darren Mottolini: CRCSI Collaboration Project
- Emma Tomkinson: Community Insight Australia Talks to Malcom Turnbull
- Tim Heather: Innovation Grants through Landgate SPUR
- Chris Bashall: Landguide the Challenges of Start-ups
- Margo Matthews: Colab Philanthropy Goes Spatial
Hydrography Seminar Series

Seminar Series
The Surveying and Spatial Sciences Institute in conjunction with the Australasian Hydrographic Society will be holding a series of seminars dealing with surveying in complex marine environments – from searching for lost ships and submarines, to near-shore and offshore industries.

If you’re a land surveyor, engineer, project manager, survey data end user, then these seminars are right for you.

Understand how your inland, coastal, near and off shore data is influenced by the environment, learn about the methods employed to gather and process data based upon Nature’s influences, and surveying techniques for monitoring nature.

These seminars bring together professional speakers and are great opportunity for an Open Forum.

Our seminars are scheduled for 15 February and 3 May 2018. Save the dates.

New Opportunities
Our Nation is embarking on a never before seen expanded hydrographic survey and geospatial data collection activity. For the hydrographic surveying, you need to know hydrographic surveying and therefore certified hydrographic surveyors are key to the implementation. With a base knowledge in land surveying or an allied survey discipline, you could become a certified hydrographic surveyor and participate in this billion dollar activity through to 2024 and beyond.

Come and discuss your pathways with the Certification Panel and SSSI WA Hydrography Commission.

Advocacy – Accredited Courses
The Hydrography Commission is working to bring accredited courses for Hydrographic Surveying to the shores of Australia. With only a handful of courses world-wide, this will bring significant opportunity to the industry. Find out more about this initiative at our hydrography seminars.

Call for papers....
If you are interested in presenting at one of these seminars, please get in touch with Kerryn Stanes (admin.wa@sssi.org.au) or Paul Kennedy, Chair of the Hydrography Commission (p.kennedy@fugro.com).
Locate GeoSmart Asia 2018

The Asia-Pacific's premier geospatial conferences, GeoSmart Asia and Locate are coming together in **Adelaide, Australia, from 9-11 April, 2018.**

Since their inception, both GeoSmart Asia and Locate have provided a platform for dialogue and discussion on the application of geospatial technologies across the region. This new, collaborative event will deliver a far-reaching, dynamic, and powerful experience for its attendees. Come and be part of three days of insightful workshops, plenaries and thematic sessions, participatory experiences, social events, and an exhibition displaying state-of-the-art technologies.
Engineering and Mine Surveying

In 2018 the Engineering and Mining Surveying Commission is again planning an active year for our members.

The commission will run interest group meetings on the 3rd week of every second month. The first meeting for 2018 will be on the 20th February and all interested commission members are very welcome.

The commission has planned for at least 3 CPD events throughout the year. The first event will be held in late March and pending on availability our partners will involve an update on the Airport Tunnel and other interesting technical information.

Call for papers....

Planning is now underway for a Mine Surveying seminar to be held mid-May and will be held in partnership with AIMS. If you have a story to tell please let us know. Presentation slots are still available. Please email Kerryn Stanes (admin.wa@sssi.org.au) or Tony Snow, Chair Engineering and Mine Surveying Commission (t.snow@curtin.edu.au) with a short description.

Industry Day...

Our Industry day is always a success, thanks to our partners. Industry Day is scheduled for 11 May. To be involved in showcasing new systems, technologies and knowhow – please contact Tony Snow. Our Members will appreciate keeping up-to-date with state-of-the-art.

Advocacy 2018 - Work and Safety Bill

One of the more important tasks the commission has this year is to keep a watch on the developments of the modernised Work and Safety Bill that is currently being formulated.

It is currently proposed that this bill will replace a number of existing Acts, including the Mine Safety and Inspection Act 1994. The commission will consult with members and provide feedback on issues affecting mine surveyors.
Curtin Colloquium

Back by popular demand.....

Curtin University has been running a seminar series referred to as the Spatial Sciences Colloquium series since 2014.

This year the colloquia will once again be taking place in 2018.

The aim is to provide a forum for spatial sciences professionals, practitioners and researchers to hear and discuss the latest developments and vision for future directions.

The colloquium presentations will be conducted by academics and researchers who work at the forefront of spatial sciences technology and research including, GNSS, Geodesy, GIScience, Remote Sensing, Photogrammetry and Laser Scanning.

The colloquium events will occur approximately four times per year and provide the opportunity to bring together industry, government and academic partners to showcase spatial sciences achievements and research developments.

The Spatial Sciences Colloquium events are excellent opportunities to emphasise and promote the significance of spatial sciences within WA, Australia and globally.

When: Please see the event calendar for dates and look out for flyers.

Where: Curtin University

Time: 4:30 – 5:00 pm: Welcome (drinks and nibbles)

Cost: Free

CPD: 1 Point per event

Bookings: Via Eventbrite (see forthcoming flyers for details)
Special Events

Each year SSSI WA holds several events to bring contemporary methods and technologies to members. 2018 is no different. Our Young Professionals and Student Representatives have put together a program that will bring Members of all generations together. Come and support our young leaders at the following events.

Ready and Relevant – Social Networking for business and pleasure

Have you ever wondered what a ‘hashtag’ is or why our young professionals have embraced Facebook, Twitter, WhatsApp and Instagram. If so, this event is for you.

Ready and Relevant turns mentoring on its head. Our students will explain social networking to all our professional members that have wanted to apply social networking in their business environment but never had time to work out how. Bring your iPad/tablet/mobile to get connected.

In return, this is an opportunity for students to network with prospective employers and get a unique one-on-one insight to the profession. Save the date – Ready and Relevant, 16 July.

Map-a-thon – Participatory GIS to support Developing Countries

Many developing nations are not well mapped. This 4 hour event is an opportunity to use OpenStreetMap to get stuck into capturing data for humanitarian interests. Having better maps supports community resilience, leading to a better decision-making and better lifestyles for all.

The Map-a-thons will be run on a Saturday and are scheduled for 27 April and 1 September at Curtin, Spatial Sciences Department during the Semester Break in the computing laboratory. Lunch and training in OpenStreetMap is provided. Look out for flyers.

Novel Surveying and Spatial Solutions

Surveying and spatial sciences have been around since the dark ages, but despite its long history, the industry is continually faced with new challenges and problems, which we need to overcome. Our industry is continually taking on these challenges and coming up with new and innovated solutions to tackle these problems. Often these novel solutions eventually become main stream.

This forum presents some of the novel and innovated solutions that people have recently developed, and provides the opportunity to discuss these contemporary solutions and explore today’s challenges - hands on.

Join us in a relaxed environment for a ‘show and tell’ about new technologies and novel solutions generated by the industry today.

Drinks and BBQ provided. The audience is aimed at young professionals, and those that like to think outside the box and have fun with their work.
Travel Grant 2018

Are you 35 or under......................

SSSI WA is supporting the professional development of young Surveying and Spatial Sciences Professionals by sponsoring their attendance at a Conference.

The travel grant is for $2000 towards airfare, accommodation and conference registration, and is open to all financial members (35 and under).

Our aim is to support early career professionals through attendance at a professional conference, which brings together geospatial leaders, experts and innovators globally.

Applications close 5pm on 30 April 2018

Please send a letter of application and Curriculum Vitae to Kerryn Stanes, Regional Office Manager at admin.wa@sssi.org.au.

Your letter should respond to the following:

- the conference you wish to attend and why
- how this conference attendance will benefit your current situation

The successful applicant will be required to provide a written report (1-2 pages) for inclusion in SSSI WA media within 4 weeks of the conclusion of the conference.

Application enquires can be directed to Nawaraj Tiwari, SSSI WA Young Professional Representative (nawaraj01@gmail.com)
What it means to be a SSSI Member

SSSI Members are Surveying and Spatial Professionals with an edge.

They don't just like their jobs, they love them.

They have amazing networks and support systems, and are backed by the highest quality education and experiences.

**SSSI Spatial Professionals have:**

- highly developed technical skills in a wide range of fields;
- commitment to getting the best outcomes for their clients and the community;
- dedication to self-improvement and development;
- a passion for their jobs and their industry;
- access to a comprehensive spatial and surveying CPD program;
- wide networks of fellow professionals; and
- Australia & New Zealand recognised specialised certification.

SSSI Spatial Professionals are committed to improving the surveying and spatial professions, regardless of their specialty. Being a SSSI member affords them recognition at all levels of business, industry and government.

In joining SSSI as a Spatial Professional, you can be assured that you are joining a world-class group of fellow spatial and surveying professionals, recognised across the globe.
How to become a Member

Registration is simple and there are several membership categories available. To join, go to https://sssi.org.au/special-pages/checkout/member-registration.

Having trouble registering online, please contact Kerryn Stanes (admin.wa@sssi.org.au) for electronic forms.

Member ($460)
The Member level of SSSI is offered to applicants who hold a minimum 3 year bachelor degree in a relevant spatial discipline and at least one year work experience in a relevant spatial discipline.

Associate ($460)
The Associate level of SSSI is offered to applicants who hold a diploma or advanced diploma in a relevant spatial discipline. Associate level of SSSI is also offered to those who are first year graduates following a diploma or advanced diploma in a relevant spatial discipline.

Affiliate ($355)
The Affiliate level of SSSI is offered to applicants who have a technical institute certificate level 1-4 and/or to those applicants who are 18 years and over who do not hold any post-secondary spatial qualifications.

Corporate (from $5,770)
Corporate Membership is open to any public agency or private company wishing to promote continuing professional development (CPD) opportunities for staff, and additionally, enjoy SSSI promotional opportunities. Packages start at a group of 10.

First Year Graduate ($195.45)
The First Year Graduate level of SSSI is offered to applicants who have completed their bachelor's degree and are currently in their first year of work.

Second Year Graduate ($290.90)
The Second Year Graduate level of SSSI is offered to applicants who have completed their bachelor's degree and are currently in their second year of work.

Part-time Student ($90)
Student members must be enrolled for up to 75% of full-time student load at a university or technical institute and renew on an annual basis with a certification from the institute that you are still in part-time study.

Student ($0.00)
The Student level of SSSI is offered to applicants who are studying full time a relevant spatial course at a university or a technical institute.
Member Advantage

Join our 900 members already taking advantage of the SSSI Members Advantage Program.

Your SSSI Member Advantage Program provides you with an extensive range of quality lifestyle and financial benefits through Member Advantage.

Members can take advantage of value for money savings on benefits all year round. Benefits include discounts on dining, entertainment, accommodation, movie tickets, shopping, insurance, financial services and many more.

In 2017, our members took advantage of Airline Lounge offers by simply logging into the Members Website at https://sssi.org.au/membership/member-services-benefits-1/benefit.
Member Services

Members of SSSI receive a full range of benefits. From special financial offers to a full Certification program, benefits from SSSI membership can provide significant value to your personal and professional life

- Member log-in for self-serve personal details
- Professional Certification
- CPD recording for events attended
- Online Reference Library
- SSSI Community Visibility
- Member Search Opt-in service
- Position Magazine Subscription included
- GeoMessage contribution opportunities
- All events at members prices
- Use of SSSI member post nominals

Every Member receives a quarterly Position Magazine!!

Want More Information

Try these links:

- SSSI Website
  https://sssi.org.au
- SSSI Vision and Mission
- SSSI Constitution:
- SSSI Future Directions:
  https://sssi.org.au/SSSI/files/c7/c73ae593-8ae1-43e2-a2ae-65550876f513.pdf
- SSSI Annual Report 2016-17