

Symposium Program

Monday 17 July 2006

Spatial Sciences Institute - Qld Region
6 CPD Points (full day)

Civil GPS Service Interface Committee (CGSIC) Meeting
Holiday Inn Surfers Paradise, Level 2, Tallangatta Room

Program

0900 - 1030	Session 1
0900 - 0915	Welcome Keith McPherson <i>Vice Chair Asia Pacific</i>
0915 - 0930	Welcome John Wilde <i>CGSIC International Sub Committee Deputy Chair</i>
0930 - 0945	Role of CGSIC International Sub Committee John Wilde <i>CGSIC International Sub Committee Deputy Chair</i>
0945 - 1000	GPS Policy Overview Capt Matthew Blizard <i>USCG Deputy Chair CGSIC</i>
1000 - 1030	Overview of Activities at the Australian Research Centre for Aerospace Automation (ARCAA) Troy Bruggeman <i>PhD Candidate, Queensland University of Technology</i>
1030 - 1100	Morning Tea - Tallangatta Pre-function Area, Level 2
1100 - 1230	Session 2
1100 - 1120	GPS Constellation Status Rebecca Casswell <i>Executive Secretary CGSIC</i>
1120 - 1150	Carrier Phase-Based GNSS Matt Higgins <i>Principal Survey Advisor, Department of Natural Resources, Mines & Water, Queensland</i>
1160 - 1230	GPS Potential Vulnerabilities Keith McPherson <i>Airservices Australia</i>
1230 - 1330	Lunch (at own expense)
1330 - 1500	Session 3
1330 - 1400	Australian Strategic Planning Keith McPherson <i>Airservices Australia</i>
1400 - 1420	Victorian Differential GPS Network Peter Ramm <i>Director of Geodesy, Department of Sustainability & Environment, Victoria</i>
1420 - 1500	APEC GNSS Activities Keith McPherson <i>Airservices Australia</i>
1500 - 1530	Afternoon Tea - Tallangatta Pre-function Area, Level 2
1530 - 1700	Session 4
1530 - 1600	Interference Prof Chris Rizos <i>The University of New South Wales</i>
1600 - 1700	Discussion Group - Issues with the use of GPS in Australia and Region
1700	Close of CGSIC Sessions John Wilde <i>CGSIC International Sub Committee Deputy Chair</i>

Tuesday 18 July 2006

Pre-Symposium Workshops

Program

0900 - 1200	Workshop 1 - Tallawah Room, Level 2	<i>Spatial Sciences Institute - Qld Region - 3 CPD points</i>
	Design and Development of the European Satellite Navigation System Galileo Dr Guenter Hein <i>Director, Institute of Geodesy & Navigation, University FAF Munich, Germany</i>	
1200 - 1230	Lunch (at own expense)	
1230 - 1430	Workshop 2 - Tallawah Room	Workshop 3 - Tilba Rooms 1 & 2
	<i>Spatial Sciences Institute - Qld Region - 2 CPD Points</i>	<i>Spatial Sciences Institute - Qld Region - 2 CPD Points</i>
	Modelling and Real Time Simulation of GNSS Environmental Vulnerability Issues Graeme Hooper <i>Managing Director</i> and Joe Fleming <i>Software Manager, GPSat Systems Australia, Vic Australia</i>	OR Alternatives to GNSS for outdoor and indoor positioning Dr Joel Barnes & Professor Chris Rizos <i>School of Surveying & Spatial Information Systems, UNSW, NSW Australia</i>

Tuesday 18 July 2006

Pre-Symposium Workshops

Program (continued)

1445 - 1645	Workshop 5 - Tallawalah Room, Level 2	<i>Spatial Sciences Institute - Qld Region - 2 CPD points</i>
	Integration of GPS & INS - Principle, Implementation & Applications Dr Jinling Wang & Yong Li <i>School of Surveying & Spatial Information Systems, UNSW, NSW Australia</i>	

Wednesday 19 July 2006

Spatial Sciences Institute - Qld Region

8 CPD Points (full day)

Program

0800 - 1700	Registration - Pre-function Area, Level 2	
0930 - 1030	Session 1: The GNSS Global Perspective Chair: Rob Henshaw Room: Tatiara	
0930 - 0945	Official Welcome Anna Bligh <i>Deputy Premier, Treasurer and Minister for State Development, Trade and Innovation</i>	
0945 - 1030	Current Operations and Future Developments in GPS Keith McPherson <i>Manager GNSS, Airservices Australia, Canberra ACT, Australia</i>	
1030 - 1100	Morning Tea and Official Opening of Trade Exhibition - Tarcoola Ballroom, Level 4	
1100 - 1300	Session 2: The GNSS Global Perspective (continued) Chair: Chris Rizos Room: Tatiara	
1100 - 1145	European Commission Galileo Update Bruno Julien <i>Ambassador and Head of Delegation of the European Commission to Australia and New Zealand</i>	
1145 - 1230	Galileo at the Horizon: Compliment or Competition to GPS? Dr Guenter Hein <i>Director, Institute of Geodesy and Navigation, University of FAF, Munich</i>	
1230 - 1300	Galileo A Global Civil Navigation Satellite System Developed Under a PPP Hans Peter Marchlewski <i>General Councillor, Galileo Joint Undertaking, Brussels, Belgium</i>	
1300 - 1400	Lunch and Trade Exhibition - Tarcoola Ballroom, Level 4	
1400 - 1530	Session 3: The GNSS Global Perspective (continued) Chair: Neil Other Room: Tatiara	
1400 - 1445	Current Operations and Future Developments in GLONASS Sergy Revniviikh <i>Deputy Head for Mission Control GLONASS, Russia (invited)</i>	
1445 - 1530	GNSS Augmentation Using Quasi-Zenith Satellite System (QZSS) and its benefits for Satellite Navigation Applications (56) Susumu Yoshitomi <i>Director, Japan Aerospace Exploration Agency, Tsukuba Ibaraki, Japan</i>	
1530 - 1600	Afternoon Tea and Trade Exhibition - Tarcoola Ballroom, Level 4	
1600 - 1700	Session 4: The GNSS Australia Perspective Chair: Keith McPherson Room: Tatiara	
1600 - 1630	GNSS Business Opportunities in Australia Robert Lorimer <i>Managing Partner, Position One Consulting, Brisbane Qld, Australia</i>	
1630 - 1700	GNSS Business Networking Panel Session	
1700	Close of Sessions	
1715 - 1815	IGNSS 2006 Welcome Reception - Tarcoola Ballroom, Level 4 Proudly Sponsored by CR Kennedy Total Surveying Solutions	

Program

0800 - 1700	Registration - Pre-function Area, Level 2	
0900 - 1030	Session 5: Linking International GNSS to Australian GNSS Chair: Chris Rizos Room: Tatiara	
0900 - 0930	An Overview of GNSS Related Organisations in Australia Robert Lorimer <i>Managing Partner, Position One Consulting, Brisbane Qld, Australia</i>	
0930 - 1000	The Proposed Australian Galileo Test Bed (69) Werner Enderle <i>Professor, Australian GNSS Joint Undertaking (AGJU), Queensland University of Technology (QUT), Brisbane, Queensland, Australia</i>	
1000 - 1030	Linking International GNSS to Australian GNSS Matt Higgins <i>Principal Survey Advisor, Department of Natural Resources, Mines and Water, Brisbane Qld, Australia</i>	
1030 - 1100	Morning Tea and Trade Exhibition - Tarcoola Ballroom, Level 4	
	CONCURRENT SESSIONS	
1100 - 1230	Session 6A: Space & Ground Based Augmentation Chair: Kefei Zhang Room: Tilba 1 & 2	Session 6B: Integrated Systems Chair: Jinling Wang Room: Tatiara
1100 - 1130	Implementation of Prototype Satellite Based Augmentation System (SBAS) [60] T Sakai <i>Electric Navigation Research Institute, Tokyo, Japan</i>	Time Synchronization Analysis of an FPGA based GPS/INS Integrated System [28] Y Li <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>
1130 - 1200	Remonte Control System for the Quasi-Zenith Satellite Crystal Oscillator Based on the Two-Way Time Transfer Method [39] F Tappero <i>AIST, Japan</i>	Stochastic Modelling Strategies in GPS/INS Data Fusion Process [35] W Ding <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>
1200 - 1230	Sparse or Dense: Challenges of Australian Network RT (80) K Zhang <i>Professor, Mathematical & Geospatial Sciences, RMIT University, Melbourne Vic, Australia</i>	Performance Analysis of the Ultra-Tight GPS/INS Integration Based on an Improved Kalman Filter Design for Tracking Loops [38] J Wang <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>
1230 - 1330	Lunch and Trade Exhibition - Tarcoola Ballroom, Level 4	
1330 - 1500	Session 7A: Space & Ground Based Augmentation Chair: Kefei Zhang Room: Tilba 1 & 2	Session 7B: Integrated Systems <i>Proudly sponsored by Queensland Government</i> Chair: Matt Higgins Room: Tatiara
1330 - 1400	A Regional Galileo Integrity Concept for Australasia [72] W Enderle <i>Professor, Co-Operative Research Centre for Satellite Systems, Queensland University of Technology, Brisbane Qld, Australia</i>	GPS to Improve the Safe Operation of Vehicles [17] R Lorimer <i>Managing Partner, Position One Consulting, Brisbane Qld, Australia</i>
1400 - 1430	Wide Area Carrier Phase Positioning - Comparison of the Two Alternate Methods [29] M Bannister <i>OmniSTAR Pty Ltd., West Perth WA, Australia</i>	Error analysis of an Integrated Inertial Navigation System & pSLAM (pseudoSLAM) During GPS Outages [21] L Connolly <i>Advanced Information Processing, British Aerospace (BAE) Systems, Bristol, United Kingdom</i>
1430 - 1500	An Investigation of CORS Networks for Western Australia [48] M Dolling <i>Manager Survey Inspection, Department Of Land Administration, Midland WA, Australia</i>	A Time-Synchronization Device for Tightly Coupled GPS/INS Integration [5] P Mumford <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>
1500 - 1530	Afternoon Tea and Trade Exhibition - Tarcoola Ballroom, Level 4	
1530 - 1600	Session 8A: Space & Ground Based Augmentation Chair: Yanming Feng Room: Tilba 1 & 2	Session 8B: Integrated Systems Chair: Jinling Wang Room: Tatiara
1530 - 1600	Exploring GNSS Performance Benefits from Multiple Satellite Systems & Multiple Carrier Signals using existing GPS Constellation & Measurements [76] Y Feng <i>CRC for Satellite Systems, Queensland University of Technology, Brisbane Qld, Australia</i>	E-Trakka a fully integrated GPS System to assist with Horse Training [82] P Oppenlander <i>GPSat Systems Australia Pty Ltd., Macleod Vic, Australia</i>
1600 - 1630	Temporal Variation of the Victorian GPSnet Base Stations [13] S Yousufi <i>Mathematical & Geospatial Science, RMIT University, Melbourne Vic, Australia</i>	Designing a Neural Network for GPS/INS/PL Integration [54] J Wang <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>
1630 - 1700	An Adaptive Kalman Filter algorithm for Real Time Estimation of Receiver Clock in SBAS [44] R Gupta <i>Flight Dynamics Division, ISRO, Karnataka, India</i>	An Architecture for Satellite Navigation Signal Simulation [90] G Li <i>Institute for Automation, National University of Defense Technology, Changsha, Hunan, China</i>
1700	Close of Sessions	
1715 - 1815	IGNSS Trade Cocktail Function - Tarcoola Ballroom, Level 4 Proudly Sponsored by CR Kennedy Total Surveying Solutions	

Thursday 20 July 2006

Program

Registration – Pre-function Area, Level 2		0800 – 1700
Morning Tea and Trade Exhibition – Tarcoola Ballroom, Level 4		
CONCURRENT SESSIONS		
Session 6C: Aviation Applications <i>Proudly sponsored by Airservices Australia</i> Chair: Keith McPherson Room: Tallawalah		Session 6D: Positioning Chair: Neil Other Room: Tallangatta
Beta GBAS Category 1 Installation and Certification in Australia? Lessons Learned [19] K McPherson <i>Manager GNSS, Airservices Australia, Canberra ACT, Australia</i>		GNSS Data Protocols: Choice and Implementation [26] TS Yan <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>
The Use of GNSS for Aviation in Australia [66] J Woods <i>Civil Aviation Safety Authority, Canberra ACT, Australia</i>		Estimation of Ionospheric Delays in Dual Frequency Positioning [18] H Isshiki <i>Institute of Mathematical Analysis (IMA), Osaka, Japan</i>
A New Receiver Autonomous Integrity Monitoring Strategy for Multi-Fault Exclusion using GPS and Galileo Constellations [75] Y Feng <i>Doctor, CRC for Satellite Systems, Queensland University of Technology, Brisbane Qld, Australia</i>		Integration of GPS and GIS in Bicycle Trail Planning [25] J Blachowski <i>Doctor, Institute of Mining Engineering, Wroclaw University of Technology, Wroclaw, Poland</i>
Lunch and Trade Exhibition – Tarcoola Ballroom, Level 4		1230 – 1330
Session 7C: Aviation Applications & Navigation Systems <i>Proudly sponsored by Australian Research Centre for Aerospace Automation</i> Chair: Duncan Greer Room: Tallawalah		Session 7D: Mapping & Surveying <i>Proudly sponsored by Topcon Positioning Systems</i> Chair: Neil Other Room: Tallangatta
Ground-based Regional Augmentation System (GRAS) [20] K McPherson <i>Manager GNSS, Airservices Australia, Canberra ACT, Australia</i>		Geographic Information Mapping for Email Services [97] J Zhang <i>Computer Science & Mathematics, Victoria University, Melbourne Vic, Australia</i>
Chipscale Atomic Clocks: Benefits to Airbourne GNSS Navigation Performance [46] T Bruggemann <i>Engineering Systems, Queensland University of Technology, Brisbane Qld, Australia</i>		An Investigation of Precise Point RTK Positioning Application for Airborne Geophysical Survey [36] F Wu <i>Doctor, Department of Geospatial Science, RMIT University, Melbourne Vic, Australia</i>
Simulation Results for High-Performance Navigation System Utilising the Ground Based Regional Augmentation System for General Aviation Aircraft [52] D Greer <i>Faculty of Built Environment & Engineering, Queensland University of Technology, Brisbane Qld, Australia</i>		1430 – 1500
Afternoon Tea and Trade Exhibition – Tarcoola Ballroom, Level 4		1500 – 1530
Close of Sessions		1700
IGNS Trade Cocktail Function – Tarcoola Ballroom, Level 4 Proudly Sponsored by CR Kennedy Total Surveying Solutions		1715 – 1815

Program

0830 - 1700	Registration – Pre-function Area, Level 2	
	CONCURRENT SESSIONS	
0900 - 1030	Session 9A: Space & Ground Based Augmentation <i>Proudly sponsored by Queensland Government</i> Chair: Jemma Picco Room: Tilba 1 & 2	Session 9B: Integrated System & Receiver Technology Chair: Peter Mumford Room: Tatiara
0900 - 0930	Validating a CORS Network Management Model Using A Case Study [7] M Hale <i>Geomatics, The University of Melbourne, Melbourne Vic, Australia</i>	Assisted Multi-Antenna GPS Altitude Determination [23] J Lorga <i>Faculty of Aerospace Engineering, Delft University of Technology, Delft, Netherlands</i>
0930 - 1000	SunPOZ: Enabling Centimetre Accuracy GNSS Applications in Queensland [100] G Cislawski <i>Senior Surveyor, Department of Natural Resources, Mines and Water, Brisbane Qld, Australia</i>	An Open GNSS Receiver Research Platform [6] P Mumford <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>
1000 - 1030	Economical DGPS for Spade width Accuracy [27] P Terrett <i>Rapid Map Australia, Bundoora Vic, Australia</i>	
1030 - 1100	Morning Tea and Trade Exhibition – Tarcoola Ballroom, Level 4	
1100 - 1230	Session 10A: Space & Ground Based Augmentation Chair: Yi Zheng Room: Tilba 1 & 2	Session 10B: Receiver Technology <i>Proudly sponsored by Topcon Positioning Systems</i> Chair: Jason Killpack Room: Tatiara
1100 - 1130	Pseudolite Options for Improved Mining Navigation [70] G Einicke <i>Principle Research Scientist, Mining Automation Group, CSIRO Queensland, Brisbane Qld, Australia</i>	Improving Signal Quality in FPGA Based GPS Receiver Designs [59] P Mumford <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>
1130 - 1200	Regional GNSS Satellite Orbit Monitoring for Improved Real Time Zenith Tropospheric Delay Estimations [77] Y Zheng <i>Engineering Systems, Queensland University of Technology, Brisbane Qld, Australia</i>	Sampling and Jitter Considerations for GNSS Software Receivers [64] B Amin <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>
1200 - 1230		Mapping of Multioperable GNSS Receiver Algorithms to a Heterogeneous ASIP Based Platform [62] G Kappen <i>Chair of Electrical Engineering and Computer Systems, RWTH, Aachen NRW, Germany</i>
1230 - 1330	Lunch & Trade Exhibition – Tarcoola Ballroom, Level 4	
1330 - 1500	Session 11A: Space & Ground Based Augmentation & Locata Chair: Joel Barnes Room: Tilba 1 & 2	Session 11B: Receiver Technology <i>Proudly sponsored by Topcon Positioning Systems</i> Chair: Jason Killpack Room: Tatiara
1330 - 1400	GEMS - GNSS Environment Monitoring System [81] A Mallia <i>GPSat Systems Australia Pty Ltd, Macleod Vic, Australia</i>	FFT Based Acquisition Algorithm in a Multi-Frequency Software Receiver [58] B Eissfeller <i>Professor, Geodesy and Navigation, University of FAF-Munich, Munich, Germany</i>
1400 - 1430	Locata: A New Positioning Technology for Classically Difficult GNSS Environments [12] J Barnes <i>Doctor, School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>	Phase Adaptive Integration for GNSS Signals [73] Z Qin <i>Nokia Corporation, Tampere, Finland</i>
1430 - 1500	Locata: Interoperability with RTK-GPS & DGPS Radios in the ISM Band [14] A Pahwa <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>	
1500 - 1530	Afternoon Tea & Trade Exhibition – Tarcoola Ballroom, Level 4	
1530 - 1700	Session 12A: Telematics & Timing Chair: Joel Barnes Room: Tilba 1 & 2	Session 12B: Geodesy Chair: Chris Rizos Room: Tatiara
1530 - 1600	Relativistic GPS and Quantum Approaches to Clock Synchronization. How these could be combined? [95] A Da Silva <i>Louisiana State University, Baton Rouge LA, United States</i>	Plate Motions Determined by CGPS in South Pacific Region [45] M Jia <i>Geoscience Australia, Canberra, ACT, Australia</i>
1600 - 1630	A Privacy Preserving GPS-based Pay-as-You-Drive Insurance Scheme [31] M Iqbal <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>	The Australian Regional GPS Network Real time and Beyond [65] M Deo <i>Geoscience Australia, Canberra ACT, Australia</i>
1630 - 1700	Design of Tools and Plan for Remote Synchronization System for Quasi-Zenith Satellites [8] T Iwata <i>National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Ibaraki, Japan</i>	Atmospheric Bias Interpolation for Network RTK GPS [32] P Grgich <i>The University of Melbourne, Melbourne Vic, Australia</i>
1700	Close of Sessions	

Friday 21 July 2006

Program

Registration – Pre-function Area, Level 2		0800 – 1700
CONCURRENT SESSIONS		
Session 9C: Navigation Systems & Applications / Other Chair: Keith McPherson Room: Tallawalah	Session 9D: Inertial Systems & Special Applications Chair: Jinling Wang Room: Tallangatta	0900 – 1030
High Fidelity 3-D Urban Model-Based Signal Performance Simulation of the Current and Future GNSSs in Australia [84] L Densley <i>Mathematical and Geospatial Sciences, RMIT University, Melbourne Vic, Australia</i>	Carrier Phase and Pseudorange Based GPS/INS Integrated Navigation System for Land Vehicles [91] Y Kubo <i>Electrical & Electronic Engineering, Ritsumeikan University, Kusatsu Shiga, Japan</i>	0900 – 0930
Testing and Evaluation of a GPS CORS Network for Real Time Centimetric Positioning – The Victoria GPSnet™ Case Study [9] C Gordini <i>Doctor, Department of Geomatics-The University of Melbourne, Melbourne, Victoria, Australia</i>	Contemporary Position and Navigation Needs of Precision Agriculture & Victorias GPSnet™ CORS Network [41] J Denham <i>Geospatial Information, RMIT University, Melbourne Vic, Australia</i>	0930 – 1000
Processing GPS Data for Travel Surveys [11] C FitzGerald <i>Institute of Transport & Logistics Studies, University of Sydney, Sydney NSW, Australia</i>		1000 – 1030
Morning Tea and Trade Exhibition – Tarcoola Ballroom, Level 4		1030 – 1100
Session 10C: Navigation Systems & Special Applications <i>Proudly sponsored by Airservices Australia</i> Chair: Keith McPherson Room: Tallawalah	Session 10D: Signal Interference & Multipath Chair: Andrew Dempster Room: Tallangatta	1100 – 1230
Estimation of Non-Dispersive Effect in SydNET for GPS RTK Positioning [15] C Rizos <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>	An application of Post-Correlation GPS Receiver Interference Detection and Characterization [49] A Tabatabaei Balaei <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>	1100 – 1130
Agricultural Opportunities of Precision [2cm] Navigation [102] J Tullberg <i>Control Traffic Farming Solutions, Brisbane Qkl, Australia</i>	Experimental Evaluation of a Dual Polarized Patch Antenna Array [42] M Trinkle <i>Electrical/ Electronic Department, Adelaide University, Adelaide SA, Australia</i>	1130 – 1200
	The Application of GPS Multipath Mitigation Techniques in BOC Signals [43] A Dempster <i>Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>	1200 – 1230
Lunch and Trade Exhibition – Tarcoola Ballroom, Level 4		1230 – 1330
Session 11C: Location Based Services Chair: Andrew Dempster Room: Tallawalah	Session 11D: Signal Interference & Multipath Chair: Garry Cisowski Room: Tallangatta	1330 – 1500
Positioning Case Studies Using RFID and GNSS: Indoor and Outdoor [85] K Zhang <i>Professor, Mathematical & Geospatial Sciences, RMIT University, Melbourne Vic, Australia</i>	Code-Carrier Phase Smoothing via the Least Squares Observation Equations Model [47] R Fraser <i>Department of Natural Resources and Mines, Brisbane, Qld, Australia</i>	1330 - 1400
Wireless Signal Map Matching for NLOS Error Mitigation in Mobile Phone Positioning [51] A Dempster <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>	Improved Multipath Model Validation in Semi-urban Aircraft & Shipboard Environments [98] J Weiss <i>University of Colorado, Boulder CO, USA</i>	1400 - 1430
Pseudolite-augmented Precise Positioning System for Vessel Berthing [55] S Hyun Park <i>Maritime & Ocean Engineering Research Institute, Daejeon, Korea, South</i>		1430 - 1500
Afternoon Tea and close of Trade Exhibition – Tarcoola Ballroom, Level 4		1500 – 1530
Session 12C: Special Applications Chair: Andrew Dempster Room: Tallawalah	Session 12D: GNSS Regulation / Education & Other Chair: Rob Henshaw Room: Tallangatta	1530 – 1700
A-GPS for Firefighting [40] A Dempster <i>School of Surveying & Spatial Information Systems, University of New South Wales, Sydney NSW, Australia</i>	The Australian GNSS Joint Undertaking (AGJU) – Concept & Objectives [71] W Enderle <i>Professor, Australian GNSS Joint Undertaking (AGJU), Queensland University of Technology (QUT), Brisbane, Qld, Australia</i>	1530 – 1600
An analysis of the position calculation accuracy for GPS status aiding of an A-GPS server [88] N Harper <i>Andrew Network Solutions Asia-Pacific, Wollongong NSW, Australia</i>	Regulating GNSS - Present Strategy, Future Challenges [33] M Elsegood <i>Australian Communications Authority, Canberra ACT, Australia</i>	1600 – 1630
		1630 – 1700
Close of Sessions		1700