



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

Organised by



Platinum Partners



Diamond Partner





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Chair Commission 5 Positioning and Measurement Volker Schwieger



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Overview – Working Groups

- WG 5.1 Standards, Quality Assurance and Calibration (*David Martin, France*)
- WG 5.2: 3D Reference Frame (*Nic Donnelly, New Zealand*)
- WG 5.3: Vertical Reference Frames (*Kevin Kelly, USA; Dan Roman, USA*)
- WG 5.4: GNSS (*Neil Weston, USA; Suelynn Choy, Australia*)
- WG 5.5: Multi-Sensor-Systems (*Allison Kealy, Australia; Günther Retscher, Austria*)
- WG 5.6: Cost-effective Positioning (*Leonid A. Lipatnikov, Russia*)
- Vice-Chair of administration: Li Zhang, Germany



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Outreach 2015/16

- **Technical Seminar on Vertical Reference Frames in Practice**
- **Singapore, 27-28 July 2015**
- **FIG Commission 5, International Association of Geodesy (IAG), the International Committee on GNSS (ICG), the United Nations Initiative for Global Geospatial Information Management for Asia-Pacific (UN-GGIM-AP) and the Singapore Land Authority (SLA).**
- **Thank you: Nic Donnelly, Richard Loo, etc.**





Outreach 2015/16

- **Technical Seminar on Vertical Reference Frames in Practice**
- **Singapore, 27-28 July 2015**

The seminar focussed on the theory and practice of vertical reference frames. Topics covered included:

- Introduction to Vertical Reference Frames
- Time Dependence and Transformations
- Airborne Gravity Data Collection and Analysis
- International GNSS Service
- Vertical Deformation
- GNSS Heighting
- Case Studies
 - Australia
 - Hong Kong
 - Japan
 - New Zealand
 - Singapore





Outreach 2015/16

- FIG COMMISSION 5 TECHNICAL SEMINAR ON REFERENCE FRAMES IN PRACTICE – REFERENCE FRAMES, DATUM UNIFICATION AND KINEMATICS
- 1-2 May 2016 at Rydges Latimer, Christchurch, New Zealand

Sessions:

- Introduction to 3D reference frames / datums
- Introduction to vertical reference frames / datums
- Using deformation models
- Relationships between global and local datums
- Datum unification
- Case studies of national and global datums from around the world
- Tools for geodetic computations
- Future reference frames

More than 50 participants !



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Upcoming 2016/17/18

- MCG (Machine Control & Guidance), 05-06 October 2016, Clermont-Ferrand, France
- GeoSiberia, April 2017, Novosibirsk, Russia
- Intergeo, 26-28 September, 2017, Berlin
- FIG Working Week 2017, 28 May - 01 June, Helsinki, Finland
- FIG Congress 2018, 06-11 May, Istanbul, Turkey including Technical Seminar on Reference Frames