FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2–6 MAY 2016

Recovery from disaster
Chair Commission 5
Positioning and Measurement
Volker Schwieger
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
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!
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, Finnland
- FIG Congress 2018, 06-11 May, Istanbul, Turkey including Technical Seminar on Reference Frames