

## Study Groups of Sub-Commission 2.1

### SG 2.1.1: Techniques and metrology in terrestrial (land, marine, airborne) gravimetry

Chair: Derek van Westrum (USA)

Vice-chair: Christoph Förste (Germany)

#### Terms of Reference

The WG 2.1 is concentrated on the scientific studies of the techniques and methods of the measurements of terrestrial gravity field on static and moving platforms (on the land, shipboard and airborne gravimetry and gravity gradiometry). It encourages and coordinates special absolute and relative gravity campaigns, development of the techniques, gravimetry sites and networks for the monitoring of temporal variations of gravity field using in particular the superconducting gravimetry. It promotes the improvements of the strategy in the measurement of gravity for such applications as hydrogeology, studies of volcanoes, technical geology, etc.

The WG2.1 promotes the studies of the techniques and procedures for the adjustment of the results of gravity surveys on a regional scale. It promotes the research in the linking of satellite and terrestrial gravity measurements and the studies of the use of terrestrial gravity data for the calibration of the satellite gravity measurements.

The WG2.1 aims to deal with the technical and metrological aspects in terrestrial absolute and relative gravity measurements in collaboration with metrology community.

#### Objectives

- Promotion and coordination of scientific studies of the techniques and methods of absolute and relative terrestrial gravity measurements on static and moving platforms.
- Promotion and coordination in the establishment and measurements of regional gravity networks.
- The collaboration with metrology community for the implementation of the system of calibration and verification of absolute gravimeters.
- Organization of scientific workshops and meetings for the discussion of actual subjects in techniques and methods of terrestrial gravity measurements.

## Members

Derek van Westrum (USA), Chair  
Christoph Förste (Germany), Vice-chair  
Matthias Becker (Germany)  
Mirjam Bilker (Finland)  
Nicholas Dando (Australia)  
Andreas Engfeld (Sweden)  
Reinhard Falk (Germany)  
Olivier Francis (Luxemburg)  
Alessandro Germak (Italy)  
Filippo Greco (Italy)  
Joe Henton (Canada)  
Jeff Kennedy (USA)  
Anton Krasnov (Russian Federation)  
Nicolas LeMoigne (France)  
Sebastien Merlet (France)  
Oleg Orlov (Russian Federation)  
Vojtech Palinkas (Czech Republic)  
Vladimir Schkolnik (Germany)  
Sergiy Svitlov (Ukraine)  
Ludger Timmen (Germany)  
Michel Van Camp (Belgium)

#### Corresponding Members

Martin Amalvict (France)  
Jan Krynski (Poland)  
Chiungwu Lee (Taiwan)  
Shigeki Mizushima (Japan)  
Jan Mrlina (Czech Republic)  
Andrzej Pachuta (Poland)  
Alfredo Esparza Ramires (Mexico)  
René Reudink (The Netherlands)  
José Manuel Serna Puente (Spain)  
Yury Stus (Russian Federation)  
Simon Williams (United Kingdom)