

University of Stuttgart  
Germany

Institute of  
Engineering Geodesy IIG

FIG

## Candidate for Vice Chair Elect 2013-14 FIG Commission 5

**Volker Schwieger**

*nominated by DVW, Germany*


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## Professional Background

- 1964: born in Springe, Germany
- 1989: Dipl.-Ing. Geodesy / Surveying
- 1998: Dr.-Ing. (PhD)
- 2004: Habilitation
- 2010: Professor, Director of Institute for Engineering Geodesy (IIGS), University Stuttgart



Current Positions

- Chair of Arbeitskreis 3 "Messsmethoden und Systeme" (Measurement Methods and Systems) of DVW
- Member of Working Group "Geodesy" within "Commission for Standards in Construction" of DIN
- Member of Working Group "Galileo Geodesy Interface Working Group" of EC/ESA
- Spokesperson of Centre for Transportation Research at University of Stuttgart (FOVUS)

FIG Working Week 2012, Rome, Italy

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## FIG Activities up to now

- Since 2007: Vice-Chair Commission 5 "Positioning and Measurement"
- 2007- 2010: Chair of Working Group 5.4 "GNSS"
- Since 2011: Chair of Working Group 5.4 "Kinematic Measurements"
- 2003 – 2006: Member of Working Group 8.4 "Disaster Risk Management"
- Responsible author for section "Geodetic Engineering and Satellite-Based Positioning" of FIG publication 38 "The contribution of the Surveying Profession to Disaster Risk Management"
- Author of fact sheet "GNSS CORS Networks Principles"
- Co-author of FIG publication 49 "Cost Effective GNSS Positioning Techniques"
- Author of the Paper of the Month in August 2007: "High-Sensitivity GNSS – The low cost future GPS?!"
- Co-author of the Paper of the Month in December 2009: "GNSS Coors – Reference Frames and Services"

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## Planned FIG Commission 5 Activities

- FIG plays the central role for the surveying profession world-wide, especially it is bridging the gap between teaching and practice. Therefore I would like to contribute to **strengthen FIGs role in society and with respect to other disciplines.**
- Commission 5 "Positioning and Measurements" reflects an important field within the FIG and the surveying disciplines in general. Hence I would like to work out **the importance of measurement science** as a key skill of the surveying profession for daily life and geo-related management tasks e.g. in disaster management.
- Highlight the topics like **Infrastructure, GNSS, Laserscanning, Standards, GPS, measurement techniques** as well as new trends like **Mobile Systems and Unmanned Aerial Vehicles.**
- in Working Weeks and Regional Conferences by organization of technical and plenary sessions,
- by the edition of FIG publications e.g. related to guidelines for handling of measurement instruments,
- by the organization of tutorials and workshops related to Commission 5.

**Keeping the spirit of FIG Commission 5!**

FIG Working Week 2012, Rome, Italy

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