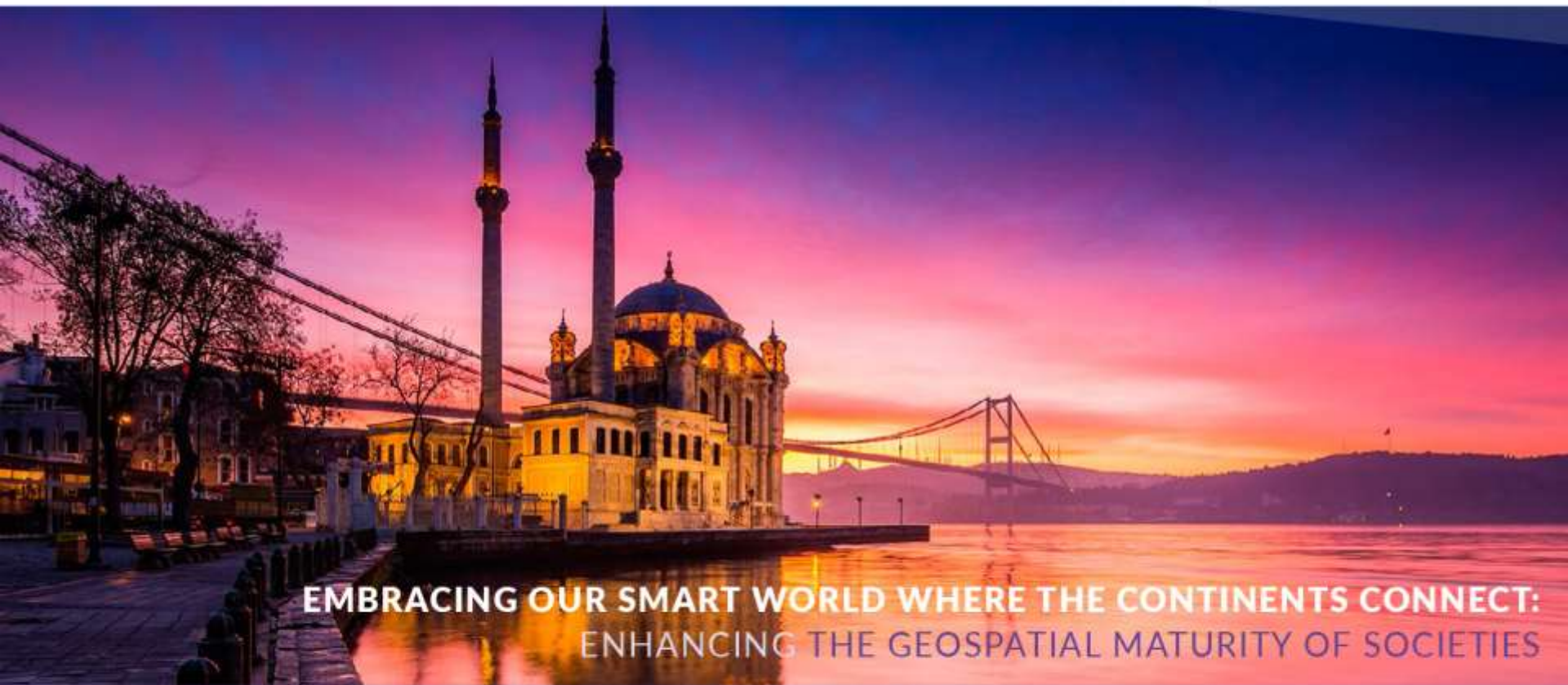




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## Volker Schwieger Commission 5 “Positioning and Measurement”

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## Commission 5 - Overview

- Vice-Chair of Administration: Li Zhang, Germany
- WG 5.1: Standards, Quality Assurance and Calibration  
(David Martin, France)
- WG 5.2: 3D Reference Frames (Nic Donnelly, New Zealand)
- WG 5.3: Vertical Reference Frames  
(Kevin Kelly, USA / Dan Roman, USA)
- WG 5.4: GNSS (Suelynn Choy, Australia)
- WG 5.5: Multi-Sensor-Systems (Allison Kealy, Australia /  
Guenther Retscher, Austria / Joint with IAG /Com. 6)
- WG 5.6: Cost Effective Positioning  
(Leonid Lipatnikov, Russia)

## Commission 5 – Current Work

- Heading FIG Standards Network and contributing to TC 172/SC 6 and ISO TC 211 (David Martin)
- Publication of best peer-reviewed papers in Journal of Applied Geodesy: Christchurch, Helsinki, Istanbul (planned)
- Special Session on „**Future of Positioning**“, Tuesday, May 8th, 16 o'clock, room ÜSKÜDAR HALL 1



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## Commission 5 – Current Work

- Creation of a Best Paper Award (NavXperience Award), firstly awarded in Helsinki 2017, this year in GA and Thursday, 10 May, 14:00–15:30, ÜSKÜDAR HALL 1



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Trimble



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## Outreach- 2015/18

- Technical Seminar on Reference Frame in Practice Workshops Series in
  - Singapore, 27-28 July 2015
  - Christchurch, New Zealand, 1-2 May 2016
  - Kobe, Japan, 29-30 July 2017
  - Istanbul, Turkey, 04-05 May 2018



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## Outreach- 2017

- Cost Effective Positioning and Geo Data Seminar, 20th April 2017, Novosibirsk, Russia (at GeoSiberia)
- Special Session FIG Commission 5 Session on “Trends in GNSS” at Intergeo 2017, 26-28 September 2017 in Berlin, Germany: Suelynn Choy, Li Zhang, Dan Roman





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## Upcoming- 2018

- **Geodesy for Smart Cities,**  
Commission 5, 6 and 10 Symposium in Bucharest, Romania, 29-30 October



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## Your special message to GA/ Member Associations

- The Science of Measurement is the base of Surveying/Geodesy
- Let's have a look at Future of Positioning
- GEODESY 4.0 is driven by advance in measurement techniques, evaluation methods and communication techniques,...by digitalization!
- FIG and Commission 5 keeps track and informs the delegates about the developments at Symposia and all FIG events

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## General Assembly II – Friday

- Session on “Future of Positioning” was very inspiring
- Reference Frames / Geodetic Dynamic Datum gaining importance again
- Geodetic Risk Monitoring, GNSS and Laser Scanning are essential topics
- **Geodesy for Smart Cities,**  
Commission 5, 6 and 10 Symposium in Bucharest, Romania, 29-30 October



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