



XXVI FIG Congress 2018

6-11 May 2018

ISTANBUL

NSPS-Sponsored Nomination of Daniel Roman for Chair of Commission 5 (2019-2022)

EMBRACING OUR SMART WORLD WHERE THE CONTINENTS CONNECT:
ENHANCING THE GEOSPATIAL MATURITY OF SOCIETIES

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Daniel R. Roman

- Member of NSPS from U.S.A.
- Chief Geodesist, NOAA NGS

Education

- B.S., Geology, 1985
the University of Southern California, Los Angeles CA USA
- M.S., Geodetic Science and Surveying (Physical Geodesy), 1993
the Ohio State University, Columbus OH USA
- Ph.D., Geological Sciences (Potential Fields Geophysics), 1999
the Ohio State University, Columbus OH USA



Work History

- After graduating from OSU with Ph.D., started work at NGS immediately in 1999
- Spent 15 years developing geoid models
 - Served as Geoid Team Lead
 - GEOID99, GEOID03, GEOID09, GEOID12 and associated models
- Chief, Spatial Reference System Division at NGS for three years
 - CORS/OPUS

Current Duties

- Chief Geodesist at NGS
 - Monitoring and coordination of all science activities in NGS
 - Responsible for collaboration nationally and internationally
 - Delegate to UN SubCommittee on Geodesy (under UN-GGIM)
 - Delegate of UN-GGIM-Americas Regional Committee
 - Delegate to SIRGAS (IAG SC 1.3b)
 - Co-Chair IAG NARF (IAG SC 1.3c)
 - Delegate to FIG

FIG
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FIG Specific Activities

- Currently FIG WG 5.3 co-chair (Vertical Reference Frames)
- Previously member FIG WG 5.2 (3D Reference Frames)
- Lecturer for RFIP Seminars
- Authored a chapter on Geoids ifor FIG publication for RFIP
- Served as session chair and rapporteur during FIG Working Weeks

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Proposed Focus for Work Plan 2019-2022

- We are moving into an era of global 3D and vertical reference frames
 - Access to these frames will be via cost-effective GNSS and multi-sensor systems
 - IAG develops the models and UN-GGIM will develop governance
 - It will be left to FIG members to implement everything
- Being engaged in both IAG and UN-GGIM, I'll synergize implementation efforts in FIG
 - I can provide feedback from FIG to IAG and UN-GGIM working groups
 - I can provide better communication and outreach to FIG
- I am also engaged in development of the ISO Geodetic Registry and revision of 19111
 - The GR and 19111 standard will provide information and guidelines to surveyors