

## **NSPS-Sponsored Nomination of** aniel Roman for Chair of Commission 5 (2019-2022)

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





MAIN SUPPORTERS









6-11 May 2018 ISTANBUL

EMBRACING OUR SMART WORLD WHERE THE CONTINENTS CONNECT:

ENHANCING THE GEOSPATIAL MATURITY OF SOCIETIES

## Daniel R. Roman

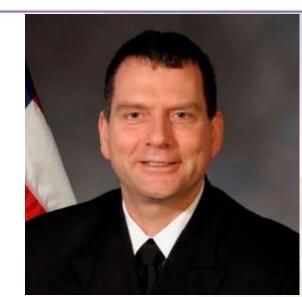
- Member of NSPS from U.S.A.
- Chief Geodesist, NOAA NGS

### 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



MAIN SUPPORTERS











## /I FIG Congress 2018

#### 6-11 May 2018 ISTANBUL

EMBRACING OUR SMART WORLD WHERE THE CONTINENTS CONNECT:

ENHANCING THE GEOSPATIAL MATURITY OF SOCIETIES

### Work History

- After graduating from OSU with Ph.D., started work at NGS immediately in 1999
- Spent 15 years developing geoid models ۲
  - Served as Geoid Team Lead
  - GEOID99, GEOID03, GEOID09, GEOID12 and associated models
- Chief, Spatial Reference System Division at NGS for three years •
  - CORS/OPUS















#### 6-11 May 2018 ISTANBUL

EMBRACING OUR SMART WORLD WHERE THE CONTINENTS CONNECT:

ENHANCING THE GEOSPATIAL MATURITY OF SOCIETIES

### **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





#### 6-11 May 2018 ISTANBUL

EMBRACING OUR SMART WORLD WHERE THE CONTINENTS CONNECT:

ENHANCING THE GEOSPATIAL MATURITY OF SOCIETIES

### **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









HE SCHINCE OF WHERE







EMBRACING OUR SMART WORLD WHERE THE CONTINENTS CONNECT:

ENHANCING THE GEOSPATIAL MATURITY OF SOCIETIES

### 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









