

National Geodetic Survey's
2019 Geospatial Summit Agenda

Silver Spring Civic Building
1 Veterans Plaza, Silver Spring, MD 20910

May 6 - 7, 2019

Day 1

Monday, May 6, 2019 | 9:30 am - 5:00 pm

9:30 - 10:00 **Arrival/Registration**

10:00 - 10:30 **Opening Session**

- **Geospatial Summit Overview**
Juliana Blackwell
Director, NGS
- **Keynote**
RDML Timothy Gallaudet, Ph.D., USN Ret.
Assistant Secretary of Commerce for Oceans and Atmosphere
and Deputy NOAA Administrator
- **General Announcements**
Brad Kearse
Deputy Director, NGS

10:30 - 12:00 **NSRS Modernization Overview**

- **Blueprint for 2022 Part 1: Geometric Coordinates**
Dan Roman, Ph.D.
Chief Geodesist, NGS
- **Blueprint for 2022 Part 2: Geopotential Coordinates**
Dan Roman, Ph.D.
Chief Geodesist, NGS
- **Blueprint for 2022 Part 3: Working in a Modernized NSRS**
Dru Smith, Ph.D.
NSRS Modernization Manager, NGS
- **Designing a Data Delivery System for the Future**
Boris Kanazir
Geodesist, NGS

12:00 - 1:30 **Lunch on your own**

12:30 - 1:15 **Informal Meet and Greet**

State Geodetic Coordinators are welcome to come meet each other as well as the full team of NGS Regional Geodetic Advisors.

1:30 - 3:00 **NSRS Modernization Outreach and User Engagement Efforts**

- **Session Overview**
Galen Scott
Acting Constituent Resource Manager, NGS
- **Recap 2018 Industry Workshop and Introduction of Alpha Products**
Dru Smith, Ph.D.
NSRS Modernization Manager, NGS

- **The State Plane Coordinate System of 2022: Making It Your Way**
Michael Dennis, Ph.D.
Geodesist, NGS
- **National Society of Professional Surveyors (NSPS) Coordinated Efforts to Change State Legislation**
Curtis Summer
Executive Director, National Society of Professional Surveyors
- **“Keeping Coordinates Moving:” California Example and Case Study**
Scott Martin
California Geodetic Coordinator, California Department of Transportation

3:00 - 3:30 Break

3:30 - 5:00 Education and Training to Prepare Surveyors for NSRS Modernization

- **Session Overview**
Jacob Heck, Ph.D.
Geodesist, NGS
- **NGS Educational Offerings**
Erika Little
Training Coordinator, NGS
- **NOAA-University of Puerto Rico at Mayagüez Memorandum of Understanding: An Overview of 20 Years of Partnership**
Linda Velez
Professor, University of Puerto Rico
- **Mastery Paths Learning in Geosciences**
Stacey D. Lyle, Ph.D., RPLS
Professor of Practice, College of Geosciences, Texas A&M University College Station
- **Engaging the Unengaged - How to Reach the Professional**
Patrick Tami
Immediate Past President, National Council of Examiners for Engineering and Surveying

5:00 - 7:00 *Optional Social Gathering*

*McGinty's Public House
911 Ellsworth Dr., Silver Spring, MD 20910*

Day 2

Tuesday, May 7, 2019 | 8:30 am - 5:00 pm

8:30 - 9:00 **Arrival / Registration**

9:00 - 9:05 **General Announcements**

Brad Kearse
Deputy Director, NGS

9:05 - 10:20 **NGS Ongoing Efforts / Interim Products (Part 1 of 2)**

- **Gravity for the Redefinition of the American Vertical Datum (GRAV-D)**
Jeffery Johnson
Acting GRAV-D Project Manager, NGS
- **Experimental GEOID Modeling (xGEOID19)**
Yan Wang, Ph.D.
Geodesist, NGS
- **Geoid Monitoring Service (GeMS)**
Kevin Ahlgren, Ph.D.
Geodesist, NGS
- **Hybrid Geoid Models (GEOID18)**
Kevin Ahlgren, Ph.D.
Geodesist, NGS
- **Modernizing Continuously Operating Reference Stations (CORS)**
Theresa Damiani, Ph.D.
Spatial Reference System Division Chief, NGS
- **Foundation CORS**
Theresa Damiani, Ph.D.
Spatial Reference System Division Chief, NGS
- **Turning the Page on PAGES: NGS's Next Generation, Multi-Global Navigation Satellite System (GNSS) Software**
Bryan Stressler
Geodesist, NGS

10:20 - 10:50 **Break**

10:50 - 12:00 **NGS Ongoing Efforts / Interim Products (Part 2 of 2)**

- **OPUS Projects Improvements**
Mark Schenewerk, Ph.D.
Geodesist, NGS
- **OPUS-Projects for Uploading Real-time Kinematic GNSS Vectors**
Dan Gillins, Ph.D.
Geodesist, NGS
- **OPUS Projects for Everything**
Krishna Tadepalli
Geodetic Applications Branch Chief
- **NGS Coordinate Conversion and Transformation Tool (NCAT)**
Krishna Tadepalli
Geodetic Applications Branch Chief
- **“GPS on Bench Marks” Efforts**
Galen Scott
Acting Constituent Resource Manager, NGS

12:00 - 1:30 Lunch on your own

12:30 - 1:15 Informal Meet and Greet

Industry partners, particularly software developers and equipment manufacturers, are welcome to meet NGS employees and discuss NSRS Modernization “alpha products.”

1:30 - 2:45 Panel Discussion

- **Chair**
Andria Bilich, Ph.D.
Geodesist, NGS
- **Panelists**
Kevin Ahlgren, Ph.D.
Geodesist, NGS

Theresa Damiani, Ph.D.
Spatial Reference System Division Chief, NGS

Dan Roman, Ph.D.
Chief Geodesist, NGS

Mark Schenewerk, Ph.D.
Geodesist, NGS

Dru Smith, Ph.D.
NSRS Modernization Manager, NGS

2:45 - 3:15 Break

3:15 - 4:50 NSRS Modernization Case Studies and User Perspectives

- **Session Overview**
Galen Scott
Acting Constituent Resource Manager, NGS
- **Lidar Case Study - Alaska Geoid**
Nicole Kinsman, Ph.D.
Alaska Regional Geodetic Advisor, NGS
- **National Park Service Case Study - Assateauge Island National Seashore**
Neil Winn
GIS Specialist, National Park Service
- **U.S. Geological Survey Case Study - Impacts to 3D Elevation Program (3DEP)**
Barry Y. Miller
GIS Applied Researcher, U.S. Geological Survey
- **North Carolina's Floodplain Mapping Program**
Gary Thompson
Chief, North Carolina Geodetic Survey

4:50 - 5:00 Closing

Brad Kearse
Deputy Director, NGS
