

Approved for public release, NGA-U-2024-01538.

(U) 2024 Photogrammetry, 3D Visualization, and Lidar (P3DL) CoP Conference Agenda				(U) Keynote
(U) Location: NCE (Alder)/Microsoft Teams				(U) 3D Tradecraft/Tools
Classification Level Up To: UNCLASSIFIED				(U) Applied Photogrammetry
Wednesday, 14 August 2024				(U) Lidar Sensor Technologies
(U) Time	(U) Briefing Title	(U) Speaker	(U) Length	(U) 3D Reconstruction/Visualization
0900	(U) Introduction	Kateri Garcia, Tyler Harding, NGA	5	(U) Geopositioning/Accuracy
0905	(U) Keynote	Todd Johanesen, Director, Source Foundation Group	20	(U) Panel
0925	(U) AI-Based Earth and Space Observing Digital Twin	Gary Hoffman, Lockheed Martin	20	(U) Other
0945	(U) Foundational Data for the Map and the Digital Twin: An approach for building an interoperable geospatial data foundation to support mapping and mod-sim	Drew Bower, Maxar Intelligence Inc.	20	
1005	(U) Construction and Certification of Country-scale Geospatial Knowledge Infrastructure (GKI) from Open-Source Data with Open-Source Tools (Project Stone Soup)	Mark Abrams, EGS	20	
1025	(U) Break		20	
1045	(U) Historical Photogrammetric Metadata: OpenKeyhole	Tim Nagy, NGA	20	
1105	(U) 3D Point Mensuration, In-browser Co-exploitation, and Visibility Enhancements to QTM	Brad Chambers, GCS Geospatial	20	
1125	(U) CORE3D in R&D - Efficient ground truth labeling for large scale training dataset generation by leveraging photogrammetry pipeline results	Li Tang, Applied Research Associates, Inc.	20	
1145	(U) Overcoming Calibration and Geometric Alignment Errors when Integrating Photogrammetry with Lidar in UAS Data Acquisition	Benjamin Vander Jagt, PixElement	20	
1205	(U) Lunch		50	
1255	(U) Six Years of ICESat-2	Aimée Gibbons, KBR/NASA	20	
1315	(U) ICEChip: Chipping Away at Elevation Uncertainty with NASA's ICESat-2 Photons	Eric Robeck, NGA	20	
1335	(U) Development of a global bathymetry data product for ICESat-2	University of Texas at Austin, Center for Space Research	20	
1355	(U) Break - Alternate CLASSIFIED Session begins in Banneker		20	
1415	(U) Strengthening Bathymetric Lidar: Experiences, Specifications, Best Practices, and Community Collaboration	Nicholas Johnson, Army Corps of Engineers - Joint Airborne Lidar Bathymetry Technical Center of Expertise	20	
1435	(U) High-Altitude Topographic and Bathymetric Lidar Sensor Field Test Results	Nathan Hopper, Woolpert, Inc - Dayton, OH	20	
1455	(U) NOAA's response to the Francis Scott Key Bridge Ship Collision	Mike Aslaksen, Department of Commerce/NOAA	20	
1515	(U) Estimating gap fraction and light penetration in forest canopies using full-waveform lidar	Keith Krause, Battelle	20	
1535	(U) Break		20	
1555	(U) Moon Laser Data Management with COPC	Howard Butler, Hobu, Inc, & USGS Astrogeology Science Center	20	
1615	(U) A Down to Earth approach to GPS-Denied Drone Navigation	Timothy Krock, NGA	20	
1635	(U) Generative AI for 3D Model Segmentation	Matt Leotta, Kitware, Inc.	20	
1655	(U) Deep Implicit Mesh Sharpening Supervised by Parametric CityJSON Wireframes	Bogdan Matei, SRI	20	
1715	(U) CLOSE			