

Approved for public release, NGA-U-2024-01538.					
(U) 2024 Photogrammetry, 3D Visualization, and Lidar CoP Conference Agenda					(U) Keynote
(U) Location: NCE (Alder)/Microsoft Teams					(U) 3D Tradecraft/Tools
Classification Level Up To: UNCLASSIFIED and UNCLASSIFIED//FOR OFFICIAL USE ONLY					(U) Applied Photogrammetry
Monday, 12 August 2024					(U) Lidar Sensor Technologies
(U) Time	(U) Briefing Title	(U) Speaker	(U) Length		(U) 3D Reconstruction/Visualization
0900	Introduction	Kateri Garcia, Tyler Harding, NGA	5		(U) Geopositioning/Accuracy
0905	(U) Recent Results from the High-CASTLE Lidar Testbed	Dr. Chris Marchant	20		(U) Panel
0925	(U) Demonstration of a Spatial Heterodyne Imaging Vibrometer	Andrew Boneff, USAF/AFMC/AFRL/RYMM	20		(U) Other
0945	(U) Real-Time LADAR Processing for 3D Active Ranging and Tracking (3DART)	Diego Rivera, MIT Lincoln Lab	20		
1005	(U) Lidar AI Hub	Kristen McIntyre, NGA	20		
1025	(U) Break		15		
1040	(U) LIDAR for Landing Hazard Detection and Avoidance	Ryan Morrison, Hexagon US Federal	20		
1100	(U) LIDAR Pointing Correction and Feature Sharpening	Zachary DeSantis, Lockheed Martin Space	20		
1120	(U) SIGHT: Simulated Identifier and Graphical HTML Terminal for CAD Visualization	Jan Rainer Jamera, Air Force Research Laboratory (AFRL)	20		
1140	(U) Break		10		
1150	(U) A Decade of Innovation: Celebrating 10 Years of NGA GRID and Exploring Future Enhancements	Jon Darveau, Cold Regions Research and Engineering Laboratory	20		
1210	(U) GeoData Coop	NGA	20		
1230	(U) Urbanscape: Single Shot Multi-Task 3D Reconstruction	Paul Brewer, DZYNE Technologies	20		
1250	(U) LUNCH		50		
1340	(U) NGA/R BAA Topic 10 – Advanced 3D Analytic Tool Development, Enhancement, and Integration	John Hupp, NGA	20		GRID Charter Model Mtg Invite Only Goddard Room 1330-1400 EST
1400	(U) BASIN: A Novel Toolset for Satellite Derived Coastal Bathymetry	Adail Rivera-Nieves, NGA	20		
1420	(U) Geopositioning of Airborne and Ground-level Imagery using Satellite-based 3D Models	Daniel Crispell, Vision Systems, Inc.	20		
1440	(U) Small target 3d position tracking in large airborne swarms	Carter Sturm, USACE ERDC GRL	20		
1500	(U) Break - Switch to UNCLASSIFIED Session		15		
1515	(U) Automatic Dense Stereo Matching Quality Assessment	Orrin Thomas, Oak Ridge National Lab	20		
1535	(U) Calibration of Remote Sensing Satellites in the 21st Century	Mark Abrams, EGS	20		
1555	(U) Estimating Per-Point Error for Gridded and Meshed Digital Surface Models	Craig Glennie, University of Houston	20		
1615	(U) Break		15		
1630	(U) Error Propagation and GPM Uncertainty encoding of Drone Photogrammetry point clouds	The Ohio State University	20		
1650	(U) Predicting the Accuracy of 3D Sensor Ray Intersection with High Resolution Meshes	Jospeh Mundy, Vision Systems Inc. (VSI)	20		
1710	(U) SRI GmAPD Camera Development	Steve Griggs, SRI	20		
1730	(U) CLOSE				