

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
Tuesday, 13 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) Forest Voxel Content Estimation – An Application of Deep Multi-Target Regression to LIDAR Data	Jan van Aardt, Rochester Institute of Technology	20		(U) Other
0925	(U) Spherically Sampled LIDAR Volumetric Change Detection in Semantic Feature Space	Miles Cobb, Lockheed Martin Space	20		
0945	(U) Utilizing Machine Learning for Training and Custom Automatic Point Cloud Classification	Jeffrey Hatzel, Blue Marble Geographics	20		
1005	(U) Break/Technology Expo Exhibits		20		
1025	(U) 3D Mapping the World from Low Earth Orbit	Kristian Damkjer, Nuvew, Inc.	20		
1045	(U) Multispectral LIDAR Development Using GmAPD Camera	Tariq Ahmido, ERDC/GRL	20		
1105	(U) Linear sensor-independent algorithms for geopositioning	Milan Karspeck, Maxar	20		
1125	(U) Lunch/Technology Expo Exhibits		60		
1225	(U) WRIVA Data Blitz (U) WRIVA Overview (U) BELLA: Building navigable Environments at Large scales with Limited imagery under sensor Agnostic conditions (U) Anytime, Anywhere 3D Visualization of Sites (U) Photorealistic rendering from Neural 3D Models built from an input set of images (U) Worldwide Collection of Ground-level Visual Datasets for WRIVA Systems (U) Hybrid Cloud/On-Prem Solutions for IARPA's WRIVA and SMART Programs (U) WRIVA Metrics: Evaluating Real-World Rendered Site Models	Ashwini Deshpande, ODNI/IARPA Marc Bosch, Accenture Federal Services Cheng Peng, John Hopkins University Rakesh Kumar, Center for Vision Technologies, SRI International Dan Crispell, Vision Systems, Inc. Mark Giglio, Mitre Myron Brown, The John Hopkins University Applied Physics Laboratory	65		
1330	(U) 3D Gaussian Splatting for Geospatial Terrain Reconstructions	Andrew Feng, Institute for Creative Technologies, University of Southern California	20		
1350	(U) Break/Technology Expo Exhibits		20		
1410	(U) Update on the latest Edition of the ASPRS Positional Accuracy Standards of Digital Geospatial Data	Qassim Abdullah, Woolpert, Inc.	20		
1430	(U) COTS Adaptive Enterprise Terrain Management Systems powered to scale in a Cloud	Rahul Thakkar, Bohemia Interactive Simulations	15		
1445	(U) One Terrain Workflow, Multiple Missions	Craig Bower, Bohemia Interactive Simulations	15		
1500	(U) Versatile Offsite Reconnaissance Terrain Explorer (VORTEX)	Skyline Software Systems, Inc.	15		
1515	(U) Break		20		
1535	(U) ATLAS Tool	Andrew Stokes, AFRL/University of Dayton	20		
1555	(U) Skylines Software GEOINT Suite (SSGS)	Skyline Software Systems, Inc.	15		
1610	(U) Advanced Analytics Tools Using Quick Terrain Modeler (QTM) for High-Resolution 3D Data Exploitation	Bogdan Matei, SRI	20		
1630	(U) Textron Systems Capabilities	Hunter Nalley, Textron Systems Capabilities	15		
1645	(U) CLOSE				