

WAAMI 2021 Program (Oct 17, 2021)	
Eastern Day Light Time (EDT) UTC-4	
7:30 AM	Opening Remarks
7:40 AM	Aerial Cross-platform Path Planning Dataset <i>Md. Shahid, Sumohana S. Channappayya (IIT Hyderabad)</i>
8:00 AM	JanusNet: Detection of Moving Objects from UAV Platforms <i>Yuxiang Zhao; Khurram Shafique; Zeeshan Rasheed; Maoxu Li (Novateur Research Solutions)</i>
8:20 AM	Learning-Based Shadow Detection in Aerial Imagery Using Automatic Training Supervision from 3D Point Clouds <i>Deniz Kavzak Ufuktepe; Jaired Collins; Ekinan Ufuktepe; Joshua Fraser; Timothy Krock; Kannappan Palaniappan (University of Missouri)</i>
8:40 AM	Robust Multi-Object Tracking Using Re-Identification Features and Graph Convolutional Networks <i>Christian Lusardi; Abu Md Niamul Taufique; Andreas Savakis (Rochester Institute of Technology)</i>
9:00 AM	Break
9:10 AM	An Algorithmic Approach to Quantifying GPS Trajectory Error <i>Matthew Plaudis; Muhammad Azam; Derek Jacoby; Yvonne Coady (University of Victoria) and Marc-Antoine Drouin (National Research Council)</i>
9:30 AM	Simulated Photorealistic Deep Learning Framework and Workflows to Accelerate Computer Vision and Unmanned Aerial Vehicle Research <i>Brendan Alvey; Derek Anderson; Andrew R Buck; Matthew Deardorff; Grant Scott; James Keller (University of Missouri)</i>
9:50 AM	Point Cloud Object Segmentation Using Multi Elevation-Layer 2D Bounding-Boxes <i>Tristan Brodeur; Steve Suddarth (Transparent Sky) and Hadi AliAkbarpour (University of Missouri)</i>
10:10 AM	Appearance and Motion Based Persistent Multiple Object Tracking in Wide Area Motion Imagery <i>Lars Sommer, Wolfgang Krüger (Fraunhofer IOSB Karlsruhe); Michael Teutsch (Hensoldt Optronics)</i>
10:30 AM	Keynote Speaker: Avideh Zakhor (Berkeley Electrical Engineering and Computer Sciences)
11:20 AM	Break
11:30 AM – 12:30 PM	Discussion Panel: AI for Aerial Imagery Moderator: Marc-Antoine Drouin Panelists: Raghuvier Rao (US Army Research Laboratory) Michael McDonald (Defense Research and Development Canada (DRDC), NATO) Mike McGinty (TerraSense Analytics) Lars Sommer (Fraunhofer IOSB Karlsruhe Institute of Technology)