



STRATUS 2016
28 October 2016

Louise Slaughter Hall, Rochester Institute of Technology

Agenda

Time	Topic	Speaker
0800-0830	Registration/Breakfast	
0830-0900	Welcome by STRATUS Chair, RIT VP of Research on UAS Signature Program, and Technical Program Chair	Emmett Ientilucci, RIT Ryne Raffaele, RIT John Kerekes, RIT
0900-0935	Keynote 1: Integrating UAVs with Sensing Instruments: Challenges and Opportunities	Peter Clemens, Headwall
0935-1010	Keynote 2: UAS Signature Research Program	David Messinger, RIT
1010-1030	Early Lessons from UAS Case Law	Josephine Wolff, RIT
1030-1050	Coffee Break	
1050-1110	Eye-tracking Drone Pilots View During First Person View (FPV) Flight	Jason Babcock, Positive Science
1110-1130	Increased Automation of Flight Planning for Small UAS Conducting Imaging Tasks	Paul Sponagle, RIT
1130-1150	Quadrotor Controller Development via Model Based Design	Daniel Kaputa, RIT
1150-1210	Quantification of Cyanobacteria Blooms Using UAS Imagery	Ryan Ford, RIT
1210-1400	Lunch and Poster Presentations	
1400-1420	Small Unmanned Aircraft Systems (sUAS or drone) Technology is Transforming the Face of Business.	Brian Pitre, SkyOp
1420-1440	Miniaturized VNIR-SWIR Hyperspectral Sensor Technology Platform for Unmanned Aerial Systems	Sam Hill, Headwall
1500-1520	Design of an Integrated Propane Fuel Reformer and Fuel Cell System for Unmanned Aerial System (UAS) Applications	Michael Waller, RIT
1440-1500	Ultra Thin Solar Cell Used in UAVs Employing Surface Plasmon Polariton (SPP)	Richard Kyung, CRG
1520-1540	Coffee Break	
1540-1550	Student Prize Presentation	
1550-1650	Panel Discussion Panelists: Peter Clemens, David Messinger, Brian Pitre, Josephine Wolff Moderator: John Kerekes	
1650-1700	Closing Remarks	Emmett Ientilucci, RIT

Poster	Title	Author
1	Use of a UAV for Water Sampling to Assist Remote Sensing of Bacterial Flora in Freshwater Environments	Fernando Ontiveros, St. John Fisher
2	System Modeling and Identification of Unmanned Quad Rotor Air Vehicle based on subspace and PEM	Yi Liu, Beijing Institute of Technology
3	Benewake's LiDAR Products Introduction	York Chen, Benewake
4	A Simple and Effective Semi-supervised Learning Framework for Hyperspectral Image Classification	Ahmed Elshamli, University of Guelph
5	Detecting White Mold Onset in Snap Beans Using Spectral Remote Sensing With and Extension to Unmanned Aerial Systems (UAS)	Sadie Wolters, RIT
6	On Mapping Corn Yield Using Structure-from-motion Data from Unmanned Aerial Systems	Seth Baker, RIT