

Keynote Speakers

Dr. Kevin Slocum

LIDAR Applications: Yesterday, Today, and Tomorrow

Bio: For over 30-years, I have been designing, proposing, executing, and defending strategic Science and Technology investment programs in partnership with industry, academia, and related government agencies. My areas of professional interest include geospatial terrestrial, maritime, and environmental sciences. I have been the National Geospatial-Intelligence Agency's research and development LIDAR Program Manager for the past 3+ years, accelerating efforts to expand and transition processing, exploitation and dissemination capability. I was the Science and Technology program manager for Army's Engineer Research and Development Center in the mid-2000s championing battlespace-related basic and applied research initiatives. From early-1990 into the early-2000s, I was a principal investigator and team lead at the former Army Topographic Engineering Center on a variety of projects to include digital elevation model analysis, soil moisture modeling, habitat assessment, geostatistical performance, decision-tree analyses, and geospatial intelligence approaches. My career began in 1979 at the former Defense Mapping Agency Hydro Topographic Center where I contributed as a nautical cartographer generating, managing, and then training others in the compilation of myriad special naval products. I received my doctorate in Marine Science from the College of William and Mary's Virginia Institute of Marine Science, and have graduate and undergraduate degrees in applied geographic methods and tools from Southwest Texas State University and James Madison University, respectively.

Professor Edward Mikhail

50-Year Journey and Participation in Photogrammetric Technology

Professor Mikhail received his BSCE from Cairo University, and his MS & PhD in Photogrammetry and Geodesy from Cornell University. Early in his career, he was an instructor at Cairo University, and spent 3 years in private industry as an analytical photogrammetry specialist. He then established the graduate program in Geomatics at Purdue University, where he developed and taught all the graduate courses in photogrammetry, and data adjustments (estimation). He's been a visiting professor at Stuttgart and Munich universities, Germany, and the ITC, the Netherlands. Professor Mikhail has supervised/graduated some three dozen PhDs, and several hundred Master's degrees. He has authored/co-authored seven books, seven book chapters, and many hundred articles, papers, presentations, and research reports. He also holds a U.S. Patent for the holographic stereomodel. He served as co-editor for the Manual of Photogrammetry and Civil Engineering Handbook. He is an Honorary Member of ASPRS, and has received several ASPRS awards that include, the Photogrammetric Award (Fairchild), Talbot Abrams (twice), and Wild Heerbrugg (twice); and the Senior Alexander von Humboldt (Germany), and NATO. He has been formally recognized for his work by USGS, NRO (twice), and ORD, among others. He has consulted, and continues to consult, with over 35 corporations and government agencies, and has served on many boards, both scientific and industrial.

Exhibitor and Sponsor Information

Exhibitor cost: \$350 (limited to 50 total exhibitors on a first-come basis)

Sponsorship cost: \$250 (limited to 8 total sponsors on a first-come basis)

We hope you will consider taking advantage of this generous opportunity to participate. We believe that your participation as Sponsor or Exhibitor can greatly benefit your organization, while enabling the further expansion and enhancement of the various cooperative and professional activities of the Region.

Thank you again for considering your participation in this conference.

To register for the conference as exhibitor and/or sponsor, please contact me (info below) to receive pass codes for online registration.

PRgeotech2010@gmail.com or (571) 229-0445 (cell)

Sincerely,

Dr. Peter Doucette
President, Potomac Region of ASPRS, and GeoTech2010
Chair

Location

For directions to GMU, please see ASPRS-PR Geotech 2010 website.

The daily registration desk will be in the lobby of Sid & Reva Dewberry Hall

Parking:

- use the Sandy Creek or Mason Pond parking decks
- vouchers will be provided at the [registration desk](#) each day for conference attendees

Potomac Region,
American Society for
Photogrammetry &
Remote Sensing
*The Imaging and Geospatial
Information Society*

GEOTECH 2010: *Spectrum
of Visions*

*Premier Mid-Atlantic Imagery and
GIS Conference*

George Mason University
(Fairfax Campus)
George W. Johnson
Center, Dewberry Hall

September 27-28, 2010



A Spectrum of Visions: Perspectives across the Photogrammetry & Remote Sensing Community

This annual conference goes back to 1997, and this year is being held for the first time at **George Mason University** in collaboration with the Department of Geography and Geoinformation Science.

The theme of this year's GeoTech conference is "A Spectrum of Visions". The focus is to capture the vision of Experts on the various disciplines that make up the Photogrammetry & Remote Sensing community today. The latest advances in fields such as LiDAR, spectral remote sensing, Geospatial Information Systems (GIS), synthetic aperture radar (SAR), and Human Terrain Modeling will lead to diverse new applications, including environmental monitoring and remediation, disaster relief, and geospatial intelligence. To that end, we have assembled a highly esteemed group of speakers for our workshops and technical session.

I highly encourage you to take advantage of this year's GeoTech conference at George Mason University to hear the R&D and technology forecasts from respected and visionary experts across the ever evolving fields they represent. Hope to see you there!

Peter Doucette, PhD
GeoTech 2010 Conference Chair

Contact Information

Dr. Peter Doucette

President, Potomac Region of ASPRS,
and GeoTech2010 Chair

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Monday September 27th Agenda

Registration Opens 7:30am (lobby of Dewberry Hall)	
Workshops, Monday Morning, September 27, 2010 8:30am – 12:00pm Break 10:00am - 10:15am - Light refreshments available.	
<p>1 A Pragmatic Comparison of Image Classification Methods</p> <p style="text-align: center;"><i>By Harold Cline ITT Visual Information Solutions</i></p> <p>Workshop Level: Introductory</p>	<p>2 Assisted and Automated Feature Extraction (AFE) from LIDAR and Imagery</p> <p style="text-align: center;"><i>By Stuart Blundell Overwatch Systems</i></p> <p>Workshop Level: Introductory</p>
Lunch 12:00 noon - 1:00pm	
Workshops, Monday Afternoon, September 27, 2010 1:00pm – 4:30pm Break 2:30pm - 2:45pm - Light refreshments available.	
<p>3 Hyperspectral</p> <p style="text-align: center;"><i>By Dr. Ron Resmini, George Mason University and MITRE Corporation</i></p> <p>Workshop Level: Introductory</p>	<p>4 Synthetic Aperture Radar (SAR) and Application</p> <p style="text-align: center;"><i>By Dr. Yong Wang, Department of Geography, East Carolina University</i></p> <p>Workshop Level: Intermediate</p>

Registration

Good News! Early Registration with a low cost has been extended through Noon EDT 15th September 2010.

On-line Registration Ends Noon EDT 20th September 2010.

For registration fees and information visit the full conference website, and register online:

<http://www.asprspotomac.org/geotech2010/index.html>

Tuesday September 28, 2010 Agenda

Registration Opens 7:30am (lobby of Dewberry Hall)	
8:30am - Welcome	Tony Stefanidis & Pete Doucette
8:45am - State of the region	Pete Doucette
9:00am - (Title TBD)	Professor Peggy Agouris , George Mason University
9:30am - ATR Technology: Why we need it, why we can't have it, and how we'll get it	Dr. John Irvine , Draper Labs
10:30am - KEYNOTE 1: LIDAR Applications: Yesterday, Today, and Tomorrow	Dr. Kevin Slocum , NGA
11:15am - The USGS EAARL: A Cross-Environment, Cross-Discipline Experimental Airborne Research Lidar	Dr. John Brock , USGS
Lunch 11:45am - 12:45pm Exhibit Area	
12:45pm - Full-Waveform Lidar: Applications and Post-Processing Strategies	Dr. Chris Parrish , NOAA
1:15pm - Enabling location-based mass collaboration: are we there yet?	Dr. Arie Croitu, George Mason University
1:45pm - Current Trends and Future Directions in Computational Human Geography	Dr. Devin White, IAI
2:45pm - KEYNOTE 2: 50-Year Journey and Participation in Photogrammetric Technology	Professor Edward Mikhail , Purdue University
3:30pm - The Hyperspectral Imager for the Coastal Ocean (HICOTM): Viewing the Earth from the International Space Station	Dr. Robert Lucke , NRL
4:00pm - Future Directions in Urban Modeling	Dr. Chris McGlone , SAIC
4:30pm - Conflation: What is It, Why Should I Care, And Where Is It Going?	Mr. Brian Graff , Army Geospatial Center (AGC)
5:00pm - 7:00pm - Social (Exhibit Area)	