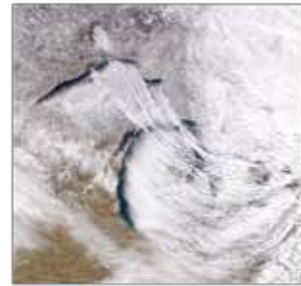


ASPRS 2011 Annual Conference

Ride On The Geospatial Revolution



May 1-5, 2011

Frontier Airlines Center, Milwaukee, Wisconsin

Final Program

www.asprs.org/milwaukee2011



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Advanced Mapping Applications

Moderator: Pete Jenkins, *Minnesota Department of Transportation*
Room: 202 D

Case Study of Beam Deformation Monitoring Using Conventional Close Range Photogrammetry

Ivan Detchev, *University of Calgary*, Canada
Ayman Habib and Mamdouh El-Badry

Photogrammetry Point Clouds Applied to Electrical Transmission Lines Vegetation Detection

Tony St-Pierre, *Xeos Imaging*

Zhijun Wang and Aurelien Boulben

Review of Recent Advances in Tide-coordinated Shoreline Study and Generation

Anuchit Sukcharoenpong, *The Ohio State University*
Rongxing Li, Christopher E. Parrish, and Jung-Kuan Liu

Loxster Buoy Counting using Photogrammetry

Claire Kiedrowski, *KAPPA Mapping, Inc.*

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Special Session — Geopositioning from UAS Platforms

Moderator: Pat Woodruff, *Airborne Data Sensors*
Sponsored by the ASPRS Defense and Intelligence Subcommittee
Room: 201 B

This is the second of three sessions that will focus on the development and integration of key photogrammetric-based technologies and their application in supporting improved geospatial capabilities. This session is focused specifically on geopositioning from UAS platforms.

Geopositioning from Next-Gen Lidar Systems

Richard Cannata, *Harris Corporation*

Image Registration Issues for Airborne Sensors

Edward Mikhail, *Purdue University*

A Snapshot of Today's Technical Challenges with Automated Registration of UAS Imagery to Reference Sources

John Marshall, *Integrity Applications Incorporated*

Exploitation of UAV and Lidar Data

Joseph Spann, *BAE*

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Special Session: Large-scale Mapping: Alaska Statewide Mapping Refresh – Overview and Current Status

Moderator: Thomas Heinrichs, *University of Alaska Fairbanks*
Room: 203 C

Alaska currently has the oldest and least accurate maps of any state in the United States. There is no statewide digital orthoimage layer for the state other than Landsat data. The current National Elevation Database (NED) for Alaska is at coarse resolution (2-arcsecond postings) and has significant accuracy limitations. The Alaska Statewide Digital Mapping Initiative, a multi-agency partnership, is addressing these shortcomings through two projects: the creation of a new statewide orthomosaic imagery base layer and the collection of data for an improved accuracy DEM. This session will highlight the structure and status of this extremely challenging mapping project.

Historic and Current Status of Alaska Orthoimagery and Elevation Mapping and Statewide Mapping Overview

Thomas Heinrichs, *University of Alaska Fairbanks*

Statewide Orthoimagery Collection Overview

Tony Follet, *Aero-Metric*

Source Imagery from SPOT 5 satellite

Drew Hopwood, *Spot Image*

Orthoimagery Processing

John Knowlton, *Fugro Earthdata*

Statewide DEM Collection Overview

Dave Maune, *Dewberry*

Fugro GeoSAR Airborne Dual-Band IfSAR

Bert Kampes, *Fugro Earthdata*

STAR IfSAR Collection

Lorraine Tighe, *Intermap*

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Special Session: Academic Publishing

Moderators: Sinan Abood, *Michigan Technological University*
and Anna Patterson

Sponsored by the ASPRS Student Advisory Council

Room: 201 A

This session will provide graduate students and young professionals an introduction to the peer review publication process. Details will be presented on the proper organization, preparation and submission of a manuscript. This session will also provide insight on how to choose an appropriate journal, draft a letter to the editor, and address reviewer comments. Students will learn what to expect during all steps of the publication process.

Panelists:

Russell G. Congalton, Editor-in-Chief, *PE&RS*

Jie Shan, Assistant Editor, *PE&RS*

Ann MacLean, Professor, *Michigan Technological University*