Imaging and Geospatial Technologies – Into The Future

ASPRS ANNUAL CONFERENCE
March 19–23, 2012
Sacramento Convention Center
Sacramento, California

CALL FOR ABSTRACTS
www.asprs.org/Annual-Conferences/Sacramento-2012

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Imaging and Geospatial Technologies – Into The Future

The ASPRS 2012 Annual Conference will be held in Sacramento California at the Sacramento Convention Center, from March 19th to 23rd, 2012.

We encourage submissions dealing with virtually any aspect of the collection, management, analysis, and application of geospatial data and information. We are especially interested in contributions that focus on the future: topics that give us a glimpse of things on the horizon and nascent projects with high potential from university programs and private firms are especially encouraged. Topical areas are expected to range from geographic information systems, to photogrammetry, remote sensing, global positioning, cartography, computer science, geoscience, bioscience, engineering, land planning, natural resource management, environmental science, natural disaster assessment, social science, and business. If you have not presented a technical paper in the past, you will find this a very beneficial experience.

In fact, many individuals and organizations have indicated that giving a presentation at an ASPRS Annual Conference has in some way changed their professional lives and the way they go about their geospatial business. We not only encourage your participation as a new attendee or presenter, we welcome previous attendees and presenters to join us once again to share in the multiple values of interactive information exchange within a broadly-based and informed audience. Oral presentations, as well as poster presentations, are highly encouraged and will be featured throughout the conference. We aim to have the poster presentations "come alive" by organizing them in a highly interactive manner. Each poster presenter will have up to 2-3 minutes to present the topic, significance, methods, and main findings of their work to a large participating audience. The author(s) of the poster will then welcome interested participants at their display board for further discussions and interactions after all posters have been presented.

Persons can request to organize a group of presentations on a theme for a special session by a August 1, 2011. This request will be considered for inclusion in the program. Those proposing a special session must have submited all abstracts for the session along with complete contact information on each presenter by August 1, 2011. All presenters cannot be from the same organization. Note: commercial research presentations are welcomed, but will be placed in the commercial sessions.

Topic Areas

Special Topics

- Radar Mapping for Wetlands
- Remote Sensing in Natural Disasters
- Pattern Recognition in Remote Sensing
- Geospatial Cloud Computing
- GIS Integration
- Object-Based Image Analysis
- Accuracy / Error Assessment
- Photogrammetry and Hand Held Devices
- LBS privacy Issue

Sensors

- Digital Frame Camera
- Airborne & Terrestrial Lidar
- Airborne & Spaceborne Thermal and Radar
- Multi/hyper spectral Imagery
- High-Resolution Satellite Imagery
- Unmanned and Autonomous Aerial
- Full Motion Video (FMV)
- Multiple-Sensor Data Fusion

Data Processing and Analytics

- Data Compression
- Image Matching
- Feature Extraction
- Image Enhancement
- Automated Aerotriangulation
- Sensor Orientation
- Surface Model and Orthophotography
- Visualization and Animation
- Multi-Dimensional Environments
- Open Source Programming
- Virtual Reality/Simulation/3D
- Data Management

Applications

- Web Services
- Mobile Mapping
- Natural Disaster Preparedness, Assessment, and Response
- Extraterrestrial Mapping
- Land Cover/Land Use
- Archaeology
- Agriculture
- Change Detection
- Urban Mapping
- Homeland Security
- Sustainability
- Forensics
- Transportation
- Hydrology and Water Quality
- Climate Change
- Invasive Species
- Forestry and Vegetation Mapping
- Wetlands
- Wildlife
- Geology
- Education
- Location-based Service (LBS)

Submission of Abstracts

Abstracts should be submitted electronically using the form available at the conference web site, www.asprs.org/Annual-Conferences/Sacramento-2012. Authors should select a category for their paper according to the categories and topic areas listed on the web site, and they should state a preference for oral or poster presentation. Abstracts may not exceed 300 words in length. Abstracts also should include 3–5 keywords and contact information for the corresponding author. If you would like to organize a special session, please contact the Technical Co-Chairs. If electronic submission using the web site is not possible, abstracts and required information may be mailed to **Technical Program Co-Chairs Ryan Jensen and Maggi Kelly at asprs2012@asprs.org**. Please state "ASPRS 2012 Abstract" in the subject line.

You will be asked to include:

- Topic or category from web site list
- Preference for oral or poster presentation
- Paper Title
- Abstract not to exceed 300 words in length
- 3 to 5 key words
- Author(s) name(s) and Affiliation(s)
- Proposed presenter(s) names and contact information
- Contact information, including mailing address, phone, fax and e-mail for corresponding

Workshop Proposals

ASPRS will sponsor workshops on Monday, March 19 and Tuesday, March 20, 2012. These workshops are intended to be educational and not for promoting vendor software or hardware. Workshops should be impartial and cover a wide range of commercial sources even if a specific commercial vendor employs the instructor. Workshops can be taught as either half-day (4 hour) or full-day (8 hour) courses. Workshops may not have more than two paid instructors. If there is more than one instructor, only one instructor will be the point of contact for the workshop.

Anyone wishing to propose a workshop for presentation (this would be the person who would be the instructor) must provide the following information to the ASPRS Workshop Coordinator by August 1, 2011:

- Workshop title
- 500-word abstract describing the length of the workshop (half or full-day); the goals/objectives and content of the workshop; the intended audience of the workshop including whether it is introductory, intermediate, or advanced material; and, names of instructors
- Instructor(s) vitae
- Whether this is an established or a newly developed workshop and whether the instructor(s) have given this workshop in the past
- If it is an established workshop, provide a copy of the most current workbook/materials
- All workshop proposals will be considered for this meeting and the ASPRS Workshop Coordinator will notify those selected for inclusion in the Workshop Program.

In addition to considering new proposals, the Workshop Coordinator will recruit additional workshops to complete a well-balanced program, minimizing subject overlap and maximizing the quality of the overall Workshop Program. Anyone wishing to propose a workshop for consideration should contact ASPRS Workshop Coordinator Bob Burtch at (231) 591-2634, rburtch@charter.net, or burtchr@ferris.edu for instruction. ASPRS reserves the right to cancel any workshop that does not have sufficient enrollment 30 days prior to the start date.

Selection Criteria

All submissions will be reviewed for content and appropriateness by the conference committee. The final decision on acceptances of presentations in the program and inclusion of topics will depend on response to this Call and space availability. Abstracts are due August 1, 2011, and strict adherence to submission deadlines is requested. Notices of acceptance will be sent by e-mail on or about September 1, 2011 by the Technical Program Chairs of this conference. Upon notification of acceptance, authors will be expected to acknowledge receipt of the acceptance letter by email, verifying their intent to attend and make a presentation at the conference.

Authors who have not received a communication regarding their submission by September 16, 2011, should contact the Technical Program Chairs listed in this announcement.

Papers accepted for oral presentation will be assigned to a concurrent session based on topic. Concurrent sessions will be 75 minutes in duration, consisting of three or four oral presentations, each of which will be 15–20 minutes in length.

Conference Registration Requirements

All technical paper and poster presenters and session moderators are required to register at the appropriate registration rate within 60 days of the e-mail notification of their presentation acceptance.

Presenters who present a technical paper(s) and/or poster(s) at the conference will receive a rebate reflecting the difference between the Full Registration Rate and the appropriate Full Presenter Registration Rate ($115 rebate for Members, $95 rebate for Non-members). Rebates are issued only to eligible presenters who complete the Speaker Rebate Form and submit it by the deadline stated on the form. Rebates will be issued within 30 business days after the conference.

If the original applicant who received the notice of acceptance appoints someone else to present their work, the substitute must register at the appropriate Full Registration Rate within the 60 days after notification of acceptance. If the substitute attends the conference and gives the presentation, they will be eligible for the above-mentioned rebate at the conference conclusion as noted above. The original applicant will not be eligible for the rebate.

Presenters who do not register within the above noted time limit **will be dropped from the program and all listings** will be removed from the Preliminary Program and Conference Proceedings.

No rebates will be issued to any presenter or moderator who cancels their registration.

There are no rebates paid to those registering at the Exhibitor, Student or Presenter Daily rates.

IMPORTANT

The Technical Program Chairs and ASPRS staff will be communicating with you by email on a frequent basis. Please make certain that these emails are not stopped by your spam blocker or other email screening mechanism. Also, if your email address changes at any time, please make sure to let us know; otherwise you will miss important information regarding the conference.

Conference Registration and Deadlines

Presenters must complete a registration form and include the appropriate presenter registration fee no later than November 1, 2011. Presenters who intend to submit a paper for the final Conference Proceedings must do so by January 16, 2012.

Inclusion of Presentation in Proceedings

If a presenter wishes to have their work included in the proceedings, a full presentation must be submitted electronically no later than January 16, 2012. Complete details will be included in the Notification of Acceptance. Proceedings submissions are not required to make an oral or poster presentation at the conference.

Important Dates

Abstracts/ Workshop Proposals Due
August 1, 2011

Notice of Acceptance
September 1, 2011

Speaker Registration Date
November 1, 2011

Paper Deadline (for inclusion in Proceedings)
January 16, 2012

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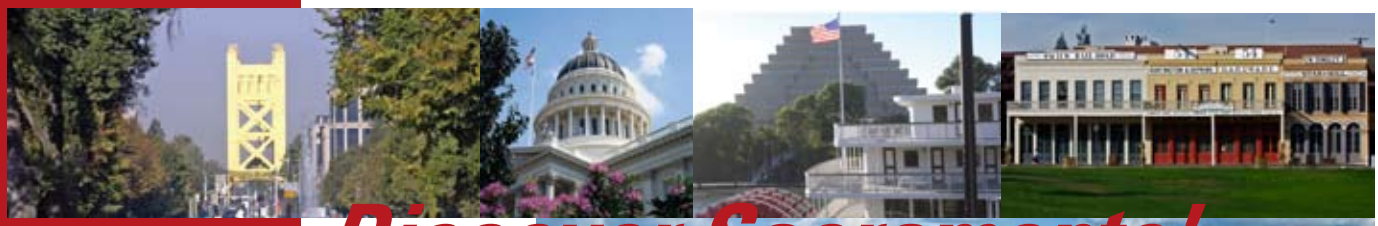

Discover Sacramento!

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Front cover image courtesy of Fugro Horizons. Other images courtesy of the Sacramento Convention & Visitors Bureau. State capitoland City Scene photos by Tom Myers.

Often called "a snapshot of Wild West history in a modern, world-class city", Sacramento, California is a perfect destination for our conference! Peacefully located in a leafy valley of scenic rivers and canopies of trees, today's Sacramento is a convergence of cosmopolitan life and gold rush history. As the Capitol of California, it is the oldest city in the state, founded in 1839. That history and charm come alive through the various historic museums, train rides, landmarks and tours of the State Capitol building all found in Sacramento's city center and steps from the conference headquarters' hotel, the Hyatt Regency Sacramento. Don't forget to visit Old Sacramento, on the riverfront. A unique historic landmark district which looks much as it did in the 19th century, with wooden store fronts, shops and the occasional horse-drawn wagon. Here you will find restaurants, shopping, Gold Rush history and even the Transcontinental Railroad. All conference events will be taking place at the Sacramento Convention Center, adjacent to the conference host hotel. Save the date for the 2012 Annual Conference, March 19-23 - you are sure to experience Imaging & Geospatial Technologies — Into the Future! More details can be found at www.asprs.org/Annual-Conferences/Sacramento-2012.