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2012 Conference Nov 6 – 9 Ottawa, Ontario

"Solutions for Emerging Markets"

CALL FOR PRESENTATIONS

Unmanned Systems Canada will be holding its 10th internationally renowned Annual Conference 6-9 November 2012, in Ottawa, Ontario, to present Canadian and International innovation in the field of Unmanned Vehicle Systems (UVS) technologies. The success of the UVS sector is based on imaginative integration and application of existing and emerging technologies from many disciplines, international collaboration and innovative management of design, manufacture and operation. Unmanned vehicle systems are finding new and expanding civilian and military applications in all areas of UVS technologies: unmanned air vehicles (UAVs), unmanned aerial systems (UAS), autonomous underwater vehicles (AUV) and unmanned ground vehicles (UGV).

SYMPOSIUM

Presentations are sought from Canada and internationally on all subject areas related to unmanned vehicle systems, research and development, case studies, operational experience and recent innovations, based on the following themes:

- UVS Training and Simulation
  - Pilot, sensor and mission command qualifications and training
- Public Safety and Security
  - First Responders
  - Arctic Sovereignty
  - Port Security
  - Border Security
  - CBRNE
  - Law Enforcement
- Civil and Commercial Application
  - Environmental Monitoring and Research
  - Infrastructure Monitoring
  - Marine and Littoral
  - Wildfire Support
  - Crop Management
  - Wildlife & Mineral Surveys
  - Arctic Cargo Operations
  - Canadian Industry Experience with International Civil and Commercial UVS Applications
- Military Applications
  - Military Unmanned System Development and/or Operations
  - Weapon Delivery
  - Asymmetric Warfare/C-IED
  - Intelligence, Surveillance and Reconnaissance (ISR)
  - Cargo/Re-supply Support Systems
- UVS Sensors and Data Integration
  - Multi-sensor Integration and Data Fusion
- Ethical and Legal Considerations in UVS Operations
- Regulatory Advancements
  - UAS Integration into Civil Airspace
  - An ATC Perspective
- R&D / Emerging Technologies
  - Automation and Autonomy
  - Sense and Avoid, Machine Perception
  - Human Factors (MMI)
  - Power and Energy
  - Communications
- Technical Interoperability Standards

Those wishing to present are invited to submit an abstract (max. 250 words) with title and author biography (max. 200 words) in an MS word format to papers@unmannedsystems.ca prior to ***15 May, 2012***. Authors are asked to identify an associated theme from the list above to help categorize their submission. Presenters will be notified of acceptance of their submission by ***15 June 2012***. If you would like to discuss your proposed presentation prior to submitting your abstract, please contact the Conference Committee at papers@unmannedsystems.ca.

PRESENTATIONS & PROCEEDINGS

Each presentation will be allotted a total of 25 minutes, including questions and discussion, unless determined otherwise with the Conference Committee. Presented material will be compiled in proceedings and will be available on the Unmanned Systems Canada website following the Conference. One speaker per presentation is entitled to the reduced speaker registration fee. Presentations are to be submitted in MS PowerPoint (MS Office 2007 compatible). Conference language for all abstracts and presentations is English.

IMPORTANT DATES: Abstract Deadline: 15 May, 2012 Notification of acceptance: 15 June, 2012

Unmanned Systems Canada Conference Presentations
TERMS AND CONDITIONS

ABSTRACT

An Abstract (summary of the content of the Presentation) must be submitted in an MS Word format for approval to Unmanned Systems Canada by 15 May 2012. The Abstract must be no longer than 250 words maximum and must not contain any graphics or photographs. If the abstract is approved but longer than 250 words or contains graphics/photographs the presenter will be contacted and advised to submit a revised abstract that complies with the maximum word length and requirements. Authors will be notified if their abstracts are accepted by 15 June 2012.

PRESENTER BIOGRAPHY

A Biography of the presenter (summary of the Presenters history and experience) must be submitted in an MS Word format to Unmanned Systems Canada with the Abstract by 15 May 2012. The Biography must be no longer than 200 words maximum. If the abstract is approved but the Biography is longer than 200 words the presenter will be contacted and advised to submit a revised Biography that complies with the maximum word length.

PRESENTATION

The Presentation must be constructed in MS PowerPoint, compatible with Office 2007 and provided at the Speaker Registration Desk no later than 07:00 the scheduled morning of the presentation. Presentations can be provided on a returnable memory stick or CD. Presentations are scheduled for 20 minutes in length followed by a 5 minute Q&A. It is recommended that presentations are delivered in their own folder with any embedded video set to run from the base folder provided.

CONTENT SUITABILITY

The presentation must follow the content of the submitted Abstract and be applicable to the scheduled stream. Presentations must not be of a purely commercial nature; those deemed by the Technical Chair to be so will not be accepted.

PUBLICATION

Unmanned Systems Canada will publish the Abstract and Presenters Biography in the Conference Handbook which is made available to all Conference registrants. In addition Unmanned Systems Canada makes all Conference presentations available to members for download from the Unmanned Systems Canada Website. If the Presentation contains material that the Presenter doesn't want published they may request that their presentation not be available for download.

CONFERENCE REGISTRATION FEE

Presenters are entitled to a significantly reduced conference registration fee that only reflects Unmanned Systems Canada's direct costs for food and other direct attendee costs. The reduced Presenter conference registration fee provides the Presenter access to the full conference program.
In the case more than one person is required to provide the Presentation, only one of the presenters is entitled to the reduced conference registration fee. To ensure the Presenter is attending and presenting as scheduled, they are required to register at the reduced fee a minimum of 60 days prior to the conference start.

WAIVED CONFERENCE REGISTRATION FEE

If the Presenter is only attending for the scheduled day of their presentation the Conference, registration fee may be waived. In that event the speaker will have access to the full conference that would include morning and afternoon breaks, lunch, access to the exhibition hall and speaking rooms from 08:00 to 17:00. If the Presenter wishes to attend evening events a fee will be charged.

PRESENTER SUBSTITUTIONS

If a Presenter is unable to present for any reason they may designate a substitution presenter by contacting Unmanned Systems Canada for approval. A short summary of why a substitution needs to be provided, along with a biography of the nominated substitute Presenter must be submitted for approval.

PRESENTER HONORARIUMS

It is Unmanned Systems Canada's policy not to pay Presenter honorariums and/or travel costs associated with their attendance at the Conference.

CONTACT INFORMATION

Please email Abstract and Presenter Biography to: Unmanned Systems Canada, at papers@unmannedsystems.ca