

UAV'09

2nd INTERNATIONAL SYMPOSIUM ON UNMANNED AERIAL VEHICLES

JUNE 8-10, 2009

JOHN ASCUAGA'S NUGGET HOTEL CASINO
RENO (SPARKS), NEVADA

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Introducing in UAV'09

- ✦ Best Student Paper Award
- ✦ Best paper Award

UAV'09, the 2nd International Symposium on Unmanned Aerial Vehicles, will be held in parallel and in federation with CAD'09, the 2009 International CAD Conference and Exhibition, in Reno, Nevada, during the week of June 8. Details about the meeting, exhibition, the conference venue and travel, may be found at <http://www.uavconferences.com> and related links.

Unmanned Aircraft Systems (UAS) have seen unprecedented levels of growth in military domains, but it is expected that future applications will focus on civilian domains and public safety related applications. Policies, procedures, regulations, safety, risk analysis assessment, airworthiness, certification issues, operational constraints, standardization, frequency management, levels of autonomy, are of paramount importance and represent challenges that need be overcome before integration of UAS into the National Airspace System (NAS) is accomplished.

The Symposium aims at bringing together different groups of qualified representatives from the FAA, EASA, Australian and Canadian Authorities, Government Agencies, DHS, military, funding agencies, industry and academia to discuss the current state of UAS advances, and the roadmap to their full utilization in military and civilian domains. Focused interests of diverse groups involved in UAS research and development will be discussed. Special emphasis will be given to current and future research opportunities, needs and funding in UAS related technologies, as seen from the potential sponsors', industry's, military's and FAA's point of view, as well as from the researchers' point of view. Symposium topics include but not limited to:

Airspace Control	Interoperability of UAS
Airspace Management	Levels of Safety
Airworthiness	Micro- and Mini- UAS
Air Vehicle Operations	Navigation and Control
Autonomy	On-board Systems
Biologically Inspired UAS	Payloads
Certification	Regulations
Cross-Platform Autonomy	Risk Analysis
Cross-Platform Communications	See-and-avoid Systems
Energy Efficient UAS	Sensor Integration
Fail-Safe Emergency Landing Systems	Standardization
Frequency Spectrum Management	Swarms

Through keynote addresses, invited and solicited presentations, it is expected that the outcome of the Symposium will be a better understanding of what industry, the military and civilian national and international authorities need. Selected, peer reviewed papers will be published in CD-ROM Proceedings and in a Special Volume of the *Journal of Intelligent and Robotic Systems* (Springer).

The Symposium will be a three-day event with Keynote and Plenary presentations in the morning and afternoon. In addition to paper presentations there will be Tutorials and Panel Discussions with experts from Industry, Military and Federal Authorities.

IMPORTANT DATES

March 2, 2009:	Full papers, due.
April 15, 2009:	Notification of acceptance / rejection.
April 30, 2009:	Final paper and power point presentation, due.

PAPER SUBMISSION

Papers must be submitted electronically to any of the **three Program Chairs**. Papers must be single-column, 12 point fonts, Times New Roman, in **Word**, **Tex / LaTeX**. The template may be found at: <http://www.springer.com/engineering/journal/10846>, or, <http://www.editorialmanager.com/jint/>. Up to 30 single-spaced pages are allowed for each paper. Illustrations and references are included in the page count. Submitted papers will undergo a peer review process coordinated by the Program Chairs and the Program Advisory Committee Members. Authors will be notified of acceptance or rejection by April 15, 2009. *Accepted papers must be received by the Publication Chair no later than April 30, 2009.* Along with the final paper, authors of accepted papers must submit their power point presentation in ppt format. *CD-ROM Proceedings will include both the paper and power point presentation. April 30 is a hard deadline since in addition to the Conference DVD that will include all accepted papers, subsets of selected papers will also appear in:*

- An Edited Book Volume on Unmanned Aircraft Systems, published by Springer; or
- A Special Issue Volume of the Journal of Intelligent and Robotic Systems (JINT)

EXHIBITS

Groups interested in exhibiting prototypes and/or research results will be allocated a booth in the exhibits hall. Details on exhibition are found at: <http://www.uavconferences.com/Exhibition.html>.

REGISTRATION FEE

The registration fee for the three day Symposium is \$375. Registration includes CD-ROM Proceedings, coffee breaks, and conference banquet. Booth rental for exhibiting is also \$375. Registration is through the Symposium website, <http://www.uavconferences.com>.