

IPLC Call for papers (or Technical Topics)



Complementing the AIAA AVIATION 2013 program, the International Powered Lift Conference (IPLC) will bring together engineers, technologists, and managers to discuss the latest developments in Vertical and/or Short Take-Off and Landing (V/STOL) aircraft research, concepts, and programs. IPLC 2013 topics will focus on the technologies, promise, and progress of powered lift systems, with applications ranging from helicopters to advanced rotorcraft to runway independent aircraft to jet-borne lift aircraft. The Technical Chair of IPLC is **David Hall** Specific topic area chairs are listed below should you have specific questions.

Powered-Lift Aircraft Operations and Their Impact to the Airspace System (Civil and Military)

Topic area chair contact: Paul Bevilaqua

- Status of Current Programs / Future Programs
- Budget Considerations on New Programs
- Advocacy of Powered-Lift to the Public and Political Leadership
- Economy of Operations / Reducing Costs
- ESTOL Commercial, Military, and Dual Use
- Flight Testing Experiences, Pilot Reports
- Certification Experiences / New Regulations Needed

Powered-Lift Design and Design Methodologies

Topic area chair contact: Doug Wardwell

- Modeling and Simulation
- Jet-Induced Effects
- Circulation Control Aerodynamics and Active Flow Control
- Powered-Lift Technologies
- JSF / F-35B Technologies

Powered-Lift System Integration Technologies and MDAO

Topic area chair contact: Craig Hange

- PHM/HUMS
- Integrated Flight and Propulsion Control (IFPC) including: Green Technology and Operations; Simultaneous Non-Interfering Operations; CV and LHA Carrier Operations and Shipboard Systems

Powered-Lift Concepts, Air Vehicles, and System Architectures

Topic area chair contacts: Paul Park and Andy Gibson

- Personal Air Vehicles
- UAV Programs and Operations
- Super Heavy Lift Rotorcraft/Joint Heavy Lift
- New Army, Navy, NASA, DARPA Initiatives

- JSF/ F-35B Program Overview (emphasis on STOVL)
- History and Lessons Learned
- Tiltrotor Concepts including V-22, BA609, and others
- Advanced Rotorcraft Concepts

V/STOL Technical Committee Sponsorship

In an effort to promote its membership and to encourage young professionals and students to participate in the International Powered Lift Conference, the AIAA V/STOL Technical Committee is offering to provide financial assistance for attendance for a limited number of participants. Interested parties under the age of 35 may submit a one page request with rationale for receiving AIAA V/STOL TC financial support. Examples of rationale should include a copy of an abstract or summary of a paper to be presented, relevance of the meeting to career goals, benefit to the V/STOL community, etc. The request must also include estimated costs for which one would seek reimbursement. **Applications must be submitted to Mr. David Hall no later than 28 February 2013** in order to be considered. Final selection of participants will be made based on the rationale information provided and the acceptance of a paper to be presented at the conference.

General Information

Abstract Submittal Procedures

Abstract submissions will be accepted electronically through the AIAA website at www.aiaa.org/aviation2013. Once you have entered the conference website, log in, click "Submit a Paper" from the menu on the right, and follow the instructions listed. This website opened for abstract submittal on **1 October 2012**. The deadline for receipt of abstracts via electronic submittal is **28 February 2013**.

If you have questions regarding the submission criteria or questions about AIAA policy please contact Institute Administrator Ann Ames at anna@aiaa.org. If you have any difficulty with the submittal process please contact ScholarOne Technical Support at ts.acsupport@thomson.com, 434.964.4100, or (toll-free, U.S. only) 888.503.1050. Questions pertaining to the abstract or technical topics should be referred to the corresponding Technical Program Chair.

Authors will be notified of paper acceptance or rejection on or about 9 April 2013. Instructions for preparation of final manuscripts will be provided for accepted papers.

Abstract Submittal Guidelines

Submittals should be at approximately 1,500 words and in the form of a draft paper. Submittals must clearly describe the purpose and scope of the work, the methods used, key results, contributions to the state of the art, and references to pertinent publications in the existing literature. The submittal should include figures and data that support the results and contributions asserted. Both abstracts and final papers should adequately address the accuracy of the numerical, analytical, or experimental results. Abstracts will be reviewed and selected based on technical content, originality, importance to the field, clarity of presentation, and potential to result in a quality full paper. As such, abstracts should describe clearly the work to be included in the full paper, its scope, methods used, and contributions to the state of the art. The abstract must include paper title, names, affiliations, addresses, and telephone numbers of all authors.

“No Paper No Podium” and “No Podium No Paper” Policies

If a written paper is not submitted by the final manuscript deadline, authors will not be permitted to present the paper at the conference. It is the responsibility of those authors whose papers or presentations are accepted to ensure that a representative attends the conference to present the paper. If a paper is not presented at the conference, it will be withdrawn from the conference proceedings. These policies are intended to eliminate no-shows and to improve the quality of the conference for attendees.