

2010 International Powered Lift Conference

5–7 October 2010
Sheraton Society Hill
Philadelphia, Pennsylvania

Abstract Deadline: Extended to 15 March 2010

The International Powered Lift Conference (IPLC) is the premier event for 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. It is the only event focused 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.

IPLC 2010 is cosponsored by AIAA, the American Helicopter Society (AHS), the Royal Aeronautical Society (RAeS), and SAE Aerospace. IPLC 2010 will be administered by the AHS as a three-day conference in Philadelphia, PA, on 5–7 October 2010.

IPLC will focus on three primary thrusts: advanced rotorcraft, jet-lift, and recent progress in the underlying science and technology. The planning committee is seeking abstracts for the following topics. The committee will also consider abstracts on other topics related to the scope of this conference.

- Advanced Rotorcraft Concepts
- Bell Boeing V-22
- BellAgustaWestland BA609 and Other Civil Tiltrotors
- Certification Experiences
- Circulation Control Aerodynamics
- ESTOL Commercial, Dual Use and Military
- ESTOL Technologies
- Flight Testing Experiences, Pilot Reports
- Flow Control
- Future Concepts/Enabling Technologies
- Green Operations
- History & Lessons Learned
- Integrated Flight & Propulsion Control (IFPC)
- Jet-Induced Effects
- JSF Program Overview (emphasis on STOVL)
- JSF Technologies
- Lift-System Technologies
- Micro UAVs
- Military Utility/Basing Flexibility/The Value of Speed
- Modelling & Simulation
- New Army, Navy, NASA, DARPA Initiatives
- PHM/HUMS
- Powered-Lift Testing
- Simultaneous Non-interfering Operations
- Super Heavy Lift Rotorcraft/Joint Heavy Lift
- UAV Programs
- Other

Abstracts should be 300–500 words in length, present facts that are new and significant, and should include results achieved, if applicable. Abstracts, including paper title, author name(s), mailing address, telephone number, facsimile number, and e-mail address, should be submitted no later than **15 March 2010**.

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

Organized by AIAA V/STOL Technical Committee
<http://www.vstol.org/iplc>

General Chair

Phil Dunford
 Vice President and General Manager, Rotorcraft Systems
 The Boeing Company

Program Chair

Michael Hirschberg
 CENTRA Technology, Inc.

Technical Chair

Tim Naumowicz
 NASA Ames Research Center

Deputy Technical Chair

Matthew Peperak
 CENTRA Technology, Inc.

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. Craig Hange at iplc@vstol.org no later than **15 March 2010** (same date as the abstract deadline for the IPLC) 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.