

CALL FOR PAPERS

The 3rd International Basic Research Conference on Rotorcraft Technology



PENNSTATE



Nanjing, China, Oct. 14 - 16, 2009

Sponsored by

The American Helicopter Society, The Pennsylvania State University
Nanjing University of Aeronautics and Astronautics and
The Chinese Society of Aeronautics and Astronautics



Subject matter/scope/conference theme:

A comprehensive array of advanced rotorcraft basic research technologies will be emphasized, including RWUAVs (Rotary Wing Unmanned Air Vehicles) and MAVs (Micro Air Vehicles). Interdisciplinary technologies in the areas of rotorcraft aerodynamics, dynamics & vibration, acoustics, flight controls, HUMS, structures, propulsion and drive systems, ice protection, and avionics will be covered. The reported work will include analytical capabilities, new experimental studies, new vehicle design concepts, and correlation/validation efforts. Analytical papers may range from basic aerodynamics, including low Reynolds numbers, to results of comprehensive analysis programs. Experimental papers will span model- to full-scale wind tunnel and flight test programs. Revolutionary new rotorcraft concepts or applications of emerging technologies to new rotorcraft missions will be addressed.

Abstract Submittal:

Abstracts should be written in English and should be no longer than five pages, including background, approach, key results, conclusions, and sample supporting figures. The approach and results should be presented in sufficient detail to allow the reviewer to determine the quality, scope, significance and current status of the work that will be described in the final paper. Priority will be given to papers in which significant results and conclusions are provided.

Submit abstracts, including paper title, author(s), name(s), address, phone, fax and e-mail address no later than *July 17, 2009*. Electronic submittal is strongly preferred.

Abstracts should be submitted to the **Chairmen of Meeting Organizing Committee**: Professor Edward Smith, Director, Vertical Lift Research Center, Penn State University, Tel. (814) 863-0966, FAX: (814) 865-7092, Email: ecs5@psu.edu; or to Professor XIA Pinqi, Executive Dean for Graduate Studies & Research, NUAA, Tel. 86-25-84895795, Fax: 86-25-84892481, Email: xiapq@nuaa.edu.cn.

Completed Papers:

Authors will be notified of final selection by *July 30, 2009*. Presentations will be given in an open forum and all papers will be published in the conference proceedings. Final papers are due *September 15, 2009*, preferably in electronic format. The author is responsible for any necessary clearances and approvals.

Chairmen of Meeting Technical Committee:

Professor GAO Zheng, NUAA, Tel.: 86-25-84892120, Fax: 86-25-84891422, Email: gaoae@nuaa.edu.cn.

Professor Ken Brentner, Penn State University, AHS Journal Editor-in-Chief, Tel. (814) 865-6433, FAX: (814) 865-7092, Email: Ksbrentner@psu.edu.