



**AHS Southwest Region Technical Specialist's Meeting
on
"Technologies to Support the Next Generation
of Vertical Lift Aircraft and Beyond"**

February 23 – 25, 2011 • Embassy Suites Hotel • Downtown Fort Worth, TX

CALL FOR PAPERS/PRESENTATIONS

The American Helicopter Society's Southwest Region is issuing a call for presentations/papers on the topic of **"Technologies to Support the Next Generation of Vertical Lift Aircraft and Beyond."**

As the marketplace for vertical lift solutions continues to evolve, new requirements on the aircraft are emerging. No longer is the focus simply on increased speed, range and payload. Focus is now being given on more ecologically-friendly factors such as reduced noise, reduced green house gas (GHG) emissions, and environmentally friendly manufacturing and operation. Couple these new factors with an increased focus on safety and survivability as well as reducing direct operating and maintenance costs (DOC & DMC) and the vertical lift industry finds itself navigating in a multi-dimensional requirements matrix. Of course, all of these "new" requirements are in addition to the traditional focus on increased speed, range and payload. Therefore, new innovative solutions are required to ensure that the vertical lift industry is being responsive to all of the critical to satisfaction (CTS) measures of both military and commercial customers.

Presentations/papers are being sought on new technologies, design concepts, technology approaches, and analytical methodologies that address multiple key customer CTSs such as payload, range, speed, noise reduction, DMC reduction, GHG reduction, etc at the same time.

Abstracts for this specialist meeting should address new technology solutions/methodologies/designs that focus on maximizing complementary CTSs while recognizing, accounting for and balancing out requirements for the remaining competing CTSs. Themes will be organized around the CTSs; for example: Payload; Speed; DOC/DMC; Environmentally-friendly solutions; Safety; etc.

A successful abstract should address the technology's impact on the CTSs using a trade study approach that evaluates (quantitatively or qualitatively) the impact the technology has upon multiple CTSs. A trade space study should be discussed to show how the technology greatly enhances/detracts from the customer CTSs and how the benefits of the new technology stack up against the losses.

Abstracts must be received no later than **Friday, October 1, 2010**. Abstracts should be approximately 1,000 words, present the status of the background data to be used, figures and illustrations to be used (with samples) and a summary of important conclusions. Authors will be notified of acceptance/rejection of their abstracts by November 17, 2010. Final papers/presentations will be due in electronic format by **January 4, 2011**.

The AHS Technical Specialist meeting is open to an international audience. ***As such, it is the policy of that all papers submitted for inclusion in the proceedings and all presentations are completely unrestricted. That is, they are not allowed to contain proprietary, sensitive, classified, or otherwise-controlled information. Authors must make note of this policy when submitting abstracts.***

It is the author's responsibility to obtain appropriate clearance of his/her abstract, paper, and presentation in order to meet all deadlines.

Abstracts should be submitted in electronic format (MSWord or Adobe PDF) to the administrative chairman, **Ms. Kyla Welch**. Any questions concerning this call or the topic of the call, please contact Ms. Welch at 817-280-4807 or via e-mail at: kwelch@bellhelicopter.textron.com.

We look forward to seeing you in Fort Worth!