The Hampton Roads Chapter (HRC) of the American Helicopter Society International (AHS)
Presents the

International Technical Specialists' Meeting on Rotorcraft Structures and Survivability

Structures Solutions for Future Vertical Lift

October 29-31, 2013
Fort Magruder Hotel and Conference Center
Williamsburg, Virginia

The AHS Southeast Region and the Hampton Roads Chapter of AHS International are hosting the International Technical Specialists' Meeting on Rotorcraft Structures and Survivability to be held on October 29-31, 2013.

The theme of the planned 2½ day conference is "Structures Solutions for Future Vertical Lift." The meeting will consist of unclassified, unrestricted meetings held at the Fort Magruder Hotel and Conference Center, Williamsburg, Virginia. The meeting will highlight research and development efforts, both current and planned, related to manned and unmanned rotorcraft structures, crash safety, and vulnerability reduction.

Structures: Topics will include durability and damage tolerance, fatigue and fracture mechanics, advanced metallic and composite structures, structural design criteria, design tools for structural optimization or rapid design and analysis, improved structural affordability, operational sustainability, weight reduction, advanced or novel concepts, and manufacturing methods.

Crash Safety: Topics will cover a broad range of crashworthiness and aviation safety relating to rotorcraft and other V/STOL aircraft. This includes an emphasis on recent developments of new structural design concepts, minimizing occupant post-crash injuries and fatalities, systems integration analyses that enhance occupant safety while minimizing aircraft systems cost and weight, crash criteria for multi-category rotorcraft, and computational techniques that have the potential to provide low cost design validation.

Vulnerability Reduction: Topics relating to design, analysis, and structures technologies that reduce aircraft vulnerability are expected and may include threat and structural response modeling, advanced structural concepts for ballistic tolerance, and design criteria and concepts for optimizing ballistic protection while minimizing cost and weight.

General Chairman of the Specialists' Meeting is Mr. Jon Schuck, US Army RDECOM.
Technical Chairpersons are Dr. Karen Jackson, NASA Langley; Dr. Mark Robeson, US Army RDECOM; and, Mr. Nate Bordick, US Army RDECOM.

If you are interested in exhibiting please contact Exhibit Chairman Mr. David Meyer at david.c.meyer@boeing.com

For more information, visit AHS at - www.vtol.org, or www.ahs-hrc.org

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