

American Helicopter Society Southwest Chapter presents...



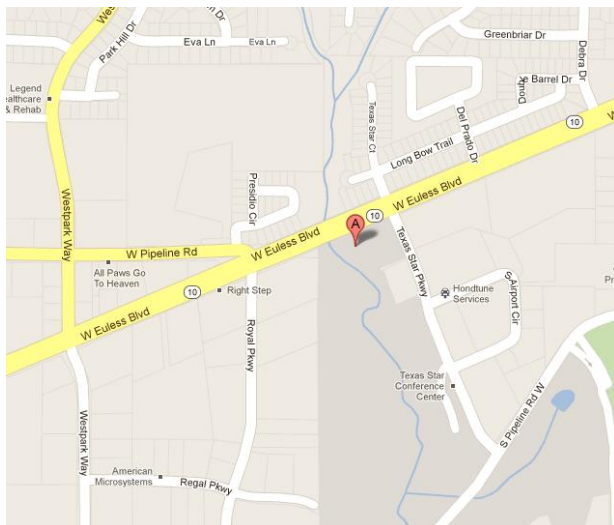
Troy Schank & Kynn Schulte

Research and Engineering, Bell Helicopter, Textron, Inc.

2015 AHS International Alfred Gessow Best Paper Award: “A Smart Position Sensor for Articulated Rotors”

September 24, 2015

Modern articulated rotors utilize an elastomeric bearing on the root of each blade to allow multi-axis articulation through a single component. The bearing forms a spherical joint that makes measuring angular displacements in specific blade axes both coupled and difficult to measure. A smart sensing concept is developed to uncouple and separately measure the blade flapping, feathering, and lead-lag position. The sensor system is designed for initial application on an articulated tail rotor for flight test purposes.



Location:

Texas Star

1400 Texas Star Parkway
Eules, TX 76040

Dinner Menu: BBQ Buffet

Social	6:00 PM
Speaker/Dinner	6:30 PM
Price: Members	\$25
Member Couples	\$45
Non-members	\$35

For additional information on the dinner meeting or AHS please contact one of the following people:

Kyla Marshall (817) 280-4807
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Please call or email Drew Sutton to **RSVP** at dsutton@bh.com or 817-280-2771
by **Noon Thursday, September 17, 2015** if you plan to attend.