Philadelphia Chapter of the American Helicopter Society

DINNER MEETING
Tuesday, December 14th, 2010

Program:  “Future Advances in Vertical Flight... Coming from Nittany Lion Country”

Speaker:  Dr. Edward Smith: Professor of Aerospace Engineering and Director, Penn State Vertical Lift Research Center

Sponsor:  CDI Corp

Place:  D’Ignazio’s Towne House
117 Veteran’s Square, Media, PA  19063

Time:  Cocktails - 5:30 pm, Dinner - 6:30 pm, Presentation - 7:30 pm

Menu:  Prime Rib, Baked Salmon, Chicken Francaise, or Vegetarian Option

Registration:  Please RSVP as early as possible.  Deadline Friday, December 10th Please!
Members  $25
Member + Spouse  $45
Guests of AHS Members  $30
Non-Members  $35
Student Members  $15

Reservations:  email: dinnermeetings@ahsphillypa.org  Phone: 610-522-4973

Please provide (1) first & last name (2) menu selection (3) registration type

If you need to cancel your reservation PLEASE do so by 10 AM the day of the meeting.

NO-SHOWS COST YOUR CHAPTER MONEY!

About our speaker...

Penn State Education, Research & Technology for Enabling Future Advances in Vertical Flight

Professor Edward Smith
Penn State University

(Professor of Aerospace Engineering and Director, Penn State Vertical Lift Research Center)

Dr. Ed Smith has been a member of the Aerospace Engineering faculty at Penn State University for eighteen years. Dr. Smith built an active research program in helicopter dynamics with research sponsorship from the Army Research Office (1994 Young Investigator Award), US Navy, NASA, Boeing Helicopters, Sikorsky Aircraft, Bell Helicopters and Lord Corp. In the summer of 1995, Prof. Smith led a team of Penn State faculty members and established the Penn State Rotorcraft Center, funded by the newly formed National Rotorcraft Technology Center (NRTC). This Center, renewed for a second five-year term in January 2001, and a third five-year term in 2006, has sparked a wide array of educational activities, new facilities, and research programs and is helping to train the next generation of rotorcraft engineers. There are presently 60 full-time graduate students, 25 faculty members, and 5 research associates participating in the Penn State Vertical Lift Research Center. Annual research funding at Penn State is approximately $6.5M per year in federal and industry-based programs (about 2/3 of this is basic research and 1/3 is applied research).

Dr. Smith has been active in AIAA and the American Helicopter Society (AHS). He served on the AIAA Structural Dynamics technical committee and has participated in the AIAA SDM Conference for more than 20 years. He is a recipient of the 1994 AHS Director's Award for Outstanding contributions to vertical flight technology by an AHS Member under the age of 30. He has also received the AHS Membership Sponsor Award four times. He is presently the Chairman of the AHS Education Committee and has also served as Chairman of the AHS Dynamics Technical Committee. In 2002, Dr. Smith was awarded the Lawrence Sperry Award from the AIAA, citing his extraordinary leadership of the Rotorcraft Center, pioneering research in composite tailored rotor blades, and dedication to aerospace engineering education. He was also awarded the 2002 Penn State Engineering Society (PSES) Outstanding Research Award, and the 2007 PSES Outstanding Advising Award. Dr. Smith's research and teaching interests are in all aspects of helicopter dynamics, including tailored composite rotor blades, active vibration control, rotor lag damping and aeromechanical stability, shipboard helicopter operations, driveline dynamics, structural health monitoring, and anti-icing systems. He has published with his students in the AIAA Journal, AIAA Journal of Aircraft, Journal of the American Helicopter Society, Journal of Intelligent Material Systems and Structures, Journal of Sound and Vibration, and International Journal of Solids and Structures. Several papers Dr. Smith has co-authored have been awarded Best Paper honors by both AHS and ASME. Dr. Smith became a Technical Fellow of the American Helicopter Society in 2008. Ed was the AHS Individual Membership Award winner in 2010 (it was the 4th time he has won this award). Ed was born and raised in Brooklyn, NY. He holds a BS from Penn State, and MS and PhD degrees from University of Maryland. He enjoys spending time with friends and family, playing ice hockey, getting to the gym, and traveling.
CDI is a publicly traded (NYSE:CDI) professional services company that offers Fortune 1000 companies a cost-effective, single-source provider of high-value engineering, information technology, and professional staffing solutions. CDI has over 50 years in the engineering services industry serving the Aerospace, Infrastructure, Life Sciences, Process & Industrial and Government Services sectors with annual revenues nearing $1 billion. CDI's Aerospace Division has eight (8) locations in the U.S. currently supports Boeing Mobility from a new Design Center in Philadelphia and Boeing Satellite from its location in Phoenix, Arizona. CDI also supports all Boeing sites through National and International staffing support contracts.

Contact Mark Nys, CDI VP for Strategic Programs for more information:

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Thank you for joining us this evening and your interest in the AHS. Please fill out this guest voucher to receive the guest rate.