



AHS International 65th Annual Forum & Technology Display

WORKSHOP:
“ROTORCRAFT TECHNOLOGY LECTURE”

Presented by
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Tuesday, May 26, 2009

8:00 a.m. - 5:00 p.m.

This eight hour ***Rotorcraft Technology Lecture*** is designed to present the fundamental technology concepts associated with helicopters to professional personnel who have not had a formal introduction to rotorcraft. Upon completion of the lectures, the attendees will have a better appreciation of the helicopter complexities, a working knowledge of the helicopter terminology/vocabulary, and design practices.

The lecture will focus on practical applications of the distinct classical engineering disciplines: dynamics, aerodynamics, mechanics of materials and how these disciplines are interrelated in the modern helicopter.

The mathematical basis will be briefly covered, but the emphasis will be on the practical applications. Specific topics to be covered include: helicopter configurations, requirements for rotor blades and hubs, isolated rotor aerodynamics, fuselage vibrations, handling qualities and the helicopter design process.

The lecture will be supplemented with actual helicopter hardware and video clips illustrating the lecture topics.

Class handouts will include all PowerPoint files, video clips, and a copy of the text “Introduction to Helicopter Analysis” (as a PDF file).

Register on-line at www.vtol.org

or fill out the FORUM 65 registration form and return to:

AHS International, 217 N. Washington Street, Alexandria, VA 22314-2538 USA

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