



AHS Bangalore Chapter
Technical Lecture Series May 09 – June 20, 2014

Speaker: Dr. Manjunath (Ex. HAL, Bangalore)

Topic: "Helicopter Design"

Where: Aerospace Department Auditorium , Indian Institute of Science – Bangalore
<http://www.iisc.ernet.in/>

Entry: Free for everyone

Agenda for the Lecture:

Technical Talk Schedule			
Date	Topics	Time	Location
9-May	Basics of Helicopter, Design Philosophy, Overview & Preliminary Design of Helicopter	3:30 - 5:00	Seminar Hall, Aerospace dept. IISc
23-May	ALH (Advanced Light Helicopter) Design Experience	3:30 - 5:00	Seminar Hall, Aerospace dept. IISc
6-Jun	Rotor & Wake Dynamics, Helicopter Stability & Control	3:30 - 5:00	Seminar Hall, Aerospace dept. IISc
20-Jun	Sources of Vibration & Vibration Control	3:30 - 5:00	Seminar Hall, Aerospace dept. IISc

BRIEF BIOGRAPHY OF A.R. MANJUNATH

- Currently Visiting Professor at International Institute of Aerospace Engg & Management (IIAEM), Jain University, Bangalore
- Was Technical consultant for the Light Utility Helicopter(LUH) project at HAL Bangalore from 2010 to 2013.
- Was General Manager and Chief Designer at Rotary Wing Research & Design Centre (RWRDC), HAL at the time of Superannuation in Nov 2009.
- Was in-charge and Chief Designer for the Design & Development of LUH project which is expected to fly end this year.
- Was responsible for aerodynamic design of ALH rotor systems, Flight test data analysis and certification of ALH.
- Has worked for more than 35 years in Aircraft & Helicopter Design
- Was a Senior Visiting Fellow at University of Southampton, UK in 1980 in the field of Helicopter rotor noise & rotor testing at Wind Tunnel.

Area of Specialization:

- Helicopter aerodynamics, dynamics, Performance Stability & control and Preliminary Design.

Awards & Publications:

- Best thesis award from IISc, Bangalore for Ph.D thesis, 1993.
- Distinguished alumni of Department of Aerospace for the outstanding contribution in aeronautical field presented at centenary celebration of IISc, Bangalore, 2009.
- Published more than 10 papers in the field of Helicopter Rotor Stability & wake dynamics.

Graduated as Electrical Engineer from Mysore University in 1971 & Masters & PhD from IISE in 1973 & 1993 respectively.