

Research and Training Unit for Navigational Electronics
Osmania University, Hyderabad – 500 007

A Five Day Modular Course
on
Hemispherical Resonator Gyroscope (HRG)

(Course code: NERTU/SC/ 54)

November 26-30, 2012
(0930 Hrs – 1700 Hrs)

About NERTU

The Research and Training Unit for Navigational Electronics (NERTU) established in 1982, is the focal point for research and training in the frontier areas of Navigational Electronics in India. Since its inception, NERTU has successfully executed 40 sponsored/consultancy projects for India's premier organizations including DRDO, ISRO, DST, MIT, BEL, ECIL, HAL and AICTE. Currently, several projects in different areas related to Navigation are under progress. It has also conducted more than 52 short term courses/workshops/conferences on various facets of electronic navigation. The present Course is being organized as part of the Pearl Jubilee Celebrations of NERTU and this one is the 54th Course.

Course Overview

Hemispherical Resonator Gyroscope (HRG) is a sensor of its own class that the world is moving towards. HRG with a very high degree of reliability finds itself a natural home in Space. For all space related applications, the technology of HRG is a necessity. The course is aimed for specific focussed people working in the areas of Inertial Navigation Sensors and Systems, Space based systems and Navigation Electronics. It aims to provide an insight for furthering research in critical areas of Avionics and Aerospace Systems.

About the Speaker

David D. Lynch is a globally renowned Navigation expert having a life time experience in design and development of advanced Navigation systems. He is presently a self-employed technical consultant working in the area of the theory of inertial instruments. He has worked in various capacities in Northrop Grumman, Woodland Hills ; Litton's Space, Launch & Strategic Systems, Goleta, CA; General Motors; Delco Systems Operations, Goleta, CA; HRG development was initiated under his direction at the Boston Lab of AC Spark Plug in 1965. From 1959 to 1963, Dr. Lynch was Instructor in Physics at Tufts University. He was responsible for developing and updating the IEEE Standard Specification Format Guide and Test Procedure for various gyros and accelerometers. Northrop Grumman honoured Dr. Lynch by dedicating their HRG Manufacturing Centre to "Dr. David D. Lynch, 'Father of the HRG'".

Registration Fee: Rs.10,000/-

DD should be drawn in favor of "Director, NERTU, Osmania University, Hyderabad", Payable at Hyderabad.

The fee includes kit, course material, lunch, tea/snacks. The number of participants is limited and the selection is on a first-cum-first served basis.

Interested candidates can download the registration form* from www.osmania.ac.in and send the duly filled form along with DD on or before 22nd November 2012 to the following Address.

Prof. A.D. Sarma

Course Co-ordinator

Course code: NERTU/SC/54

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