



Department of Mechanical and Aerospace Engineering
 Indian Institute of Technology Hyderabad
 Kandi - 502285, Sangareddy, Telangana, India

Department Seminar Talk Notice Template



Title: Short Range Tactical Ballistic Missiles and Their Environmental testing.

Speaker: Shri Tata Narasimha Rao

Affiliation: Scientist 'H', Associate Director, Research Centre Imarat, RCI, DRDO, Hyderabad, Telangana.

Date, time, and venue: January 10, 2024 (Wednesday), 1600-1730 Hrs, C-LH-2, C-Block, IITH

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Abstract | Missile classification and the environmental testing of Sub-Systems and systems. A number of environments are experienced by missile or Air Borne systems at various stages of its existence, right from the sub-system manufacture, handling, integration into missile, storage, transportation and during launch and other stages like stage separation, re-entry and impact/warhead ejection etc. These environments imposes very serious stress on the mechanical, electrical, electronic components and systems (mechanical, thermal etc) and cause serious failures if the design does not address these environments and the systems are not ruggedised to meet these environments. Hence, the sub-systems and systems are to be subjected to these environments and cleared for the intended mission.

About the Speaker | Shri Tata Narasimha Rao is presently working as Scientist 'H' and Associate Director of Research Centre Imarat, DRDO, Hyderabad, Telangana. He has completed BE(ECE) in 1986 from Osmania University and M Tech from IIT Madras in 1997. He joined DRDO in the year 1987 and completed 36 years of service. He had a vast experience in the environmental testing of sub-systems and systems of various missiles, post flight analysis of telemetry data of the missiles. He is actively involved in the indigenous design and development of environmental test systems such as vibrators, shock and bump machines. He has held positions of Director-Environmental test facility, Director-management services and project director at RCI, Hyderabad.