



**WORKSHOP ON ELECTRON PARAMAGNETIC RESONANCE (EPR) SPECTROSCOPY
AND ITS APPLICATIONS (WEPRSA 25)**

Friday, 7th February 2025

Seminar Hall, Chemical Science Building, IISER TVM

Introductory Remarks Dr. Ravi Pant, Coordinator, Central Instrumentation Facility (CIF), IISER Thiruvananthapuram		09:00 AM - 09:10 AM
Opening Remarks Prof. J. N. Moorthy, Director, IISER Thiruvananthapuram		09:10 AM - 9:30 AM
TECHNICAL TALKS		
Talk 1	Prof. Stephan Hill, Florida State University, USA Title: Introduction to Electron Paramagnetic Resonance (EPR)	09:30 AM - 10:15 AM
Talk 2	Prof. Shyamalava Mazumdar, IISER Thiruvananthapuram Title: EPR studies of copper proteins involved in biological electron transfer processes.	10:15 AM - 11:00 AM
REFRESHMENT BREAK		11:00 AM – 11:30 AM
Talk 3	Prof. Stephan Hill, Florida State University, USA Title: Meaning of the Hyperfine Interaction	11:30 AM – 12:15 PM
Talk 4	Dr. Apparao Draksharapu, Department of Chemistry, IIT Kanpur Title: High-valent Mn species: A structural mimic of Photosystem II	12:15 PM - 01:00 PM
LUNCH BREAK		1:00 PM – 2:00 PM
Inauguration of X-Band EPR Facility (NMR Room, CIF Building) Prof. J. N. Moorthy, Director, IISER Thiruvananthapuram		2:00 PM - 2:30 PM
Hands-on Training on EPR and its acquisition techniques ■ Optimization of EPR measurements ■ Introduction to the EPR software packages ■ Data transfer and analysis ■ Quantitative EPR		2:30 PM – 5:30 PM
CONCLUDING REMARKS		