

# XPS Workshop 2026

As a knowledge partner for  
Department of Chemistry, IIT Madras &  
Society for Materials Chemistry



## About The Program

Join us for a comprehensive 2-day hands-on workshop designed to provide both fundamental knowledge and practical experience in XPS.

This workshop brings together leading experts to deliver in-depth insights into XPS principles, advanced features, and real-world applications. Participants will also gain hands-on experience with the latest XPS Nexsa G2 system

## Our Speakers



Dr Karthick Balasubramanian ,  
Senior Product Manager  
Materials and Structural Analysis  
Division , Thermo Fisher Scientific



Dr. Clinsha P.C  
Scientific Officer  
Indira Gandhi Centre for Atomic Research  
Department of Atomic Energy



Dr. Kothandaraman Ramanujam,  
Department of Chemistry,  
Indian Institute of Technology Madras

## Key Highlights

- Fundamentals of XPS: Understand core principles and working mechanism
- Battery Applications: Explore cutting-edge applications in energy storage research
- Modern XPS Features: Learn about advanced capabilities and innovations
- Instrument Training: Detailed session on Nexsa G2 operations & functions
- Live Demo & Hands-on Training: Practical exposure with expert guidance
- Expert Speakers: Sessions led by renowned scientists and application specialists

## Date & Venue

**Date: 22nd - 23rd May 2026**

**Location: Department of Chemistry, Indian Institute of Technology Madras**

Email your queries to [ashok.kumar@thermofisher.com](mailto:ashok.kumar@thermofisher.com); Contact No: 9840455936

Register here: [https://conf.code.iitm.ac.in/conf/XPS\\_Wrk/login](https://conf.code.iitm.ac.in/conf/XPS_Wrk/login)



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## Agenda

Date	Timing	Program schedule	Speaker
22-05-2026	9:30 to 9:45 AM	Welcome Message from Head of the Chemistry Department	Dr. Sekar G
	9:45 to 10:00 AM	Introduction to workshop	Dr. Kothandaraman Ramanujam
	10:00 to 10:45 AM	Basics of X-ray Photoelectron Spectroscopy	Dr. Karthick Balasubramanian
	10:45 to 11:00 AM	Tea Break	
	11:00 to 11:45 AM	Recent Developments in Surface Analysis	Dr. Karthick Balasubramanian
	11:45 to 12:15	TEM and Dual Beam Solutions for Battery applications.	Dr. Karthick Balasubramanianian
	1:00 to 2:30 PM	Lunch	
	2:30 PM to 3:30 PM	Operations & functions of XPS Nexsa G2	Mr. Shivanadhan, Mr Nikhil Mohanan
	3:30 to 4 : 00 PM	Tea Break	
	4:00 to 5 : 00 PM	Demo & Hands on training	Mr. Shivanadhan, Mr Nikhil Mohanan

Date	Timing	Program schedule	Speaker
23-05-2026	9:30 to 10:45 AM	Probing Cathode Materials of Li-ion Battery by EELS and Depth Profiling	Dr. Kothandaraman Ramanujam
	10:45 to 11:00 AM	Tea Break	
	11:00 to 12 Noon	XPS-Introduction and basic idea of data interpretation	Dr. Clinsha from IGCAR
	12:00 to 1:00 PM	Operations C functions of XPS Nexsa G2	Mr. Shivanadhan, Mr Nikhil Mohanan
	1:00 PM to 2:30 PM	Lunch Break	
	2:30 PM to 3:30 PM	Operations C functions of XPS Nexsa G2	Mr. Shivanadhan, Mr Nikhil Mohanan
	3:30 to 4: 00 PM	Tea Break	
	4:00 to 5 :00 PM	Demo C Hands on training	Mr. Shivanadhan, Mr Nikhil Mohanan
	5 :00 to 5:30 PM	Vote of Thanks	

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