



The Central Research Facility,  
**Indian Institute of Technology Kharagpur**

and **HORIBA Scientific**  
Organizes

## Webinar and Online Training Program on 'Raman Spectroscopy'

11<sup>th</sup> - 12<sup>th</sup> November 2021

### Information

The Central Research Facility, Indian Institute of Technology, Kharagpur in association with Horiba Scientific India is organizing a virtual webinar and an online training program on Raman Spectroscopy on 11<sup>th</sup> and 12<sup>th</sup> November 2021.

The workshop aims at developing and understanding of the basics of Raman spectroscopy, raising awareness on the tools, and online demonstration of the equipment. The outcome of the workshop is important to the Physics, Chemistry, Material science, Life science, Geology, Engineering community of the institute to develop an appreciation for the efficacy of the technique. In this workshop, an online training program will also be organized for the users to know the Raman spectrometers at the Central Research Facility of IIT Kharagpur.

Below, the schedule for the theme (not the title) of the talks is listed. The speakers are experts in the related field. This Webinar is a journey, highlighting the potential of the experimental technique in various research fields.

# EVENT SCHEDULE

11 <sup>th</sup> Nov., 2021	Time	Theme of the Talks and Speakers
Session - I	9:30 - 10:00	<b>Introduction and Opening Remarks</b> Prof. K. Pathak, Dean, Infrastructure, IIT Kharagpur Prof. J. Dutta Majumdar, Chairperson, CRF, IIT Kharagpur
	10:00 – 11:30	<b>LabRAM HR Evolution: The Ultimate Instrument for Raman Spectroscopy</b> Dr. HC Sudeeksha, Applications Scientist, HORIBA Scientific India
	11:30 - 12:30	<b>Applications of Raman Spectroscopy in Life science and Medicine</b> Prof. Chandrabhas Narayana, Director, Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram Faculty, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore
<b>Lunch Break</b>		
Session - II	15:00-16:00	<b>Applications of Raman Spectroscopy in Geology</b> Prof. Mruganka Kumar Panigrahi, Indian Institute of Technology (IIT) Kharagpur
	16:00-17:00	<b>Applications of Raman Spectroscopy in Ceramics</b> Prof. Anirban Chowdhury, Indian Institute of Technology (IIT) Patna
<b>12<sup>th</sup> Nov., 2021</b>		
Session - III	10:00-11:00	<b>Applications of Raman Spectroscopy in Magnetic Correlated Systems</b> Prof. Rajeev Gupta, Indian Institute of Technology (IIT) Kanpur
	11:00-12:00	<b>Applications of Raman Spectroscopy in Nanostructured/2D Materials</b> Prof. Achintya Singha, Bose Institute Kolkata
	12:00-13:00	<b>Introduction to the Next Generation AFM Raman Spectroscopy and its Applications</b> Prof. Sandip Kumar Dhara, Indira Gandhi Centre for Atomic Research (IGCAR) Kalpakkam
<b>Lunch Break</b>		
Session - IV	15:00 -16:00	<b>Insights to T64000 Triple Raman Spectrometer from HORIBA Scientific</b> Mr. M Sajjanam Morrison Director – Technical and Marketing, Laser Spectra Services India Pvt. Ltd., Bangalore, (HORIBA Scientific authorized distributor in India)
	16:00-17:00	<b>Live demonstration of the LabRAM HR Evolution Spectrometer</b> Mr. M Sajjanam Morrison Director – Technical and Marketing, Laser Spectra Services India Pvt. Ltd., Bangalore, (HORIBA Scientific authorized distributor in India)
	17:00-17:05	<b>Concluding Remarks</b>

**ALL ARE WELCOME TO JOIN THROUGH VIDEO CONFERENCE**

**No registration fee.**

Members willing to attend the workshop are requested to fill the Google Forms at: <https://forms.gle/ii65DkM6qf1nXiMb9> for registration.

The link for attending the workshop will be sent through email. Certificates will be provided to the registered participants after successful completion of the workshop.

**The last date of registration is 9<sup>th</sup> November 2021, 24:00 Hrs**

Conveners

Central Research Facility,  
IIT Kharagpur

HORIBA Scientific,  
India