



“X-ray spectroscopic techniques and data analysis” Workshop

On Wednesday 31st May 2023 at the Petroleum and Petrochemical building,
Chulalongkorn University, Bangkok

08:30 - 09:00	Registration
09:00 - 09:10	Opening Remark and Welcome Speech by The Petroleum and Petrochemical College
09:10 - 09:50	Brief Overview on Siam Photon Laboratory & Introduction to Time-resolved X-ray Absorption Spectroscopy, TRXAS (<i>Dr. Wanwisa Limphirat, SLRI</i>)
09:50 - 10:20	Introduction to X-ray Absorption Spectroscopy, XAS & its Applications on Materials Science (<i>Dr. Wutthikrai Busayaporn, SLRI</i>)
10:20 - 10:30	Break
10:30 - 11:00	Introduction to X-ray Fluorescence, XRF & its Applications on Materials Science (<i>Dr. Wutthikrai Busayaporn, SLRI</i>)
11:00 - 11:45	Sample preparation at Beamline (<i>Miss Sompin Mahakot, SLRI</i>)
11:45 - 13:00	Lunch
13:00 - 13:30	Introduction to TRXAS Data Analysis Workshop (<i>Dr. Wanwisa Limphirat, SLRI</i>)
13:30 - 14:45	Introduction to XAS Data Analysis Workshop: Athena Program (<i>Mr. Dechmongkhon Kaewasuwan, SLRI</i>)
14:45 - 15:00	Break
15:00 - 16:15	Introduction to XRF Data Analysis Workshop: PyMCA (<i>Miss Sompin Mahakot, SLRI</i>)
16:15 - 16:30	Research Discussion (<i>Dr. Wanwisa Limphirat/ Dr. Wutthikrai Busayaporn/ Miss Sompin Mahakot/ Mr. Dechmongkhon Kaewasuwan, SLRI</i>)