



18th SESAME Users Meeting

SESAME, Allan (Jordan)

May 4th & 5th, 2023

Scientific Program

1st Day: Thursday, May 4th, 2023

08:30 - 09:30	Registration and poster hanging	
09:30 - 09:45	Opening Speech	Rolf HEUER + Khaled TOUKAN
09:45 - 10:30	Facility Updates (SESAME)	Atef ELKADIME Maher ATTAL Andrea LAUSI
10:30 - 11:00	Coffee Break & Group Photo	
11:00 - 11:30	BM02-IR Beamline: status and prospective	Gihan KAMEL (SESAME)
11:30 - 11:50	Synchrotron Fourier-Transform Infrared Microspectroscopy: A High-Resolution Approach to Identify the Diversity of Tumor-Associated Macrophages within Tumor Microenvironment	Hossam MOHAMED (Cairo University, Egypt)
11:50 - 12:10	Synchrotron Fourier transform infrared microspectroscopy (sFTIRM) analysis of unfolding behavior of electrospun collagen nanofibers	Murat KAZANCI (Istanbul Medeniyet University, Türkiye)
12:10 - 12:30	The pathology of Alport's syndrome: SR-FTIR new insights	Evi GOUZELOU (The Cyprus Institute of Neurology and Genetics, Cyprus)
12:30 - 13:00	Micro and macro FT-IR spectroscopic imaging and mapping as a tool for the detection of degradation products and for monitoring the cleaning processes of painted surfaces	Mariangela CESTELLI GUIDI (INFN - Italy)
13:00 - 14:30	Lunch	
14:30 - 15:00	BM08-XAFS/XRF Beamline: Basics, BL status and prospective	Messaoud HARFOUCHE (SESAME)
15:00 - 15:30	Applications of hard x-ray absorption spectroscopy to modern science challenges	Sofia DIAZ-MORENO (Diamond Light Source, UK)
15:30 - 15:50	Understanding charge transfer processes at (photo)electrode-electrolyte interfaces	Sarp KAYA (Koc University, Türkiye)
15:50 - 16:10	Investigating Ni in ambient air particulates with Synchrotron on Radiation Based X-ray Fluorescence and X-ray Absorption Near Edge Structure	Abdullah SHALTOUT (National Research Center, Egypt)
16:10 - 16:30	Synchrotron-based X-ray fluorescence analysis for plaster figurines from Khirbet es-Samrā, Jordan	Sahar KHASAWNEH (Yarmouk University, Jordan)
16:30 - 17:30	SESAME visit with Coffee	

2nd Day: Friday, May 5th, 2023

08:30 - 09:00	ID09-MS/XPD Beamline: status and prospective	Mahmoud ABDELLATIEF (SESAME)
09:00 - 09:20	Harvesting of Aerial Humidity with Natural Hygroscopic Salt Excretions	Marieh AL HANDAWI (NYUAD, UAE)
09:20 - 09:40	Synchrotron-Based Spectroscopic Evaluation to Study Potential Photocatalysis of Biogenic Synthesized Titanium Dioxide Nanoparticles (TiO ₂ NPs) Using Etlingera Elatior Extract	Che Azurahaman ABDULLAH (Universiti Putra - Malaysia)
09:40 - 10:00	Three-Membered Ring Structure in Zeolitic Imidazolate Frameworks	Bassem ALMAYTHALONY (RSS, Jordan)
10:00 - 10:30	Crystal structures from high resolution powder diffraction	Andy FITCH (ESRF, France)
10:30 - 11:00	Coffee Break	
11:00 - 11:20	Small Angle X-Ray Scattering Instrument (SAXS)	Asmaa QDEMAT (Forschungszentrum Jülich GmbH, Jülich Centre for Neutron Science, Germany)
11:20 - 11:40	Characterisation of the 16th century Ottoman Tile	Francesco ARNEODO (NYUAD, UAE)
11:40 - 12:00	Synchrotron EXAFS in catalysis as a powerful structural technique	Kyriaki POLYCHRONOPOULOU & Sara ALKHOORI (Khalifa University, UAE)
12:00 - 12:00	The elastic constants of amorphous GaAs	Kudakwashe JAKATA (Diamond Light Source, UK)
12:20 - 14:00	Prayer time + Rich coffee Break	
14:00 - 14:20	Writing a persuasive scientific proposal and promoting your scientific publication	Samar HASNAIN (University of Liverpool, UK)
14:20 - 14:45	LAAAMP and DAPHNE; two important companions for the Light Sources' Users	Özgül ÖZTURK (University GHS Siegen, Germany)
14:45 - 15:05	Soft X ray spectroscopy on HESEB Beamline	Wolfgang EBERHARDT (DESY, Germany)
15:05 - 15:25	ID11-Left- HESEB Beamline: status and prospectiv	Mustafa GENISEL (SESAME)
15:25 - 15:45	ID11-Right- TXPES: status and prospective	Emrah ÖZENSOY (Bilkent University, Türkiye)
15:45 - 16:05	Coffee Break	
16:05 - 16:25	ID10-BEATS Beamline: status and prospective	Gianluca IORI (SESAME)
16:25 - 16:45	Multi-scale imaging and modelling for reactive diffusion in porous medium	Abdellatif SAADALDIN (Najah National University, Palestine)
16:45 - 17:05	The European Synchrotron Radiation Facility Extremely Brilliant Source installation and its importance for advancements in imaging in Palaeontology	Kathleen DOLLMAN (ESRF, France)
17:05 - 17:35	Closing Remarks	Rolf HEUER + Khaled TOUKAN
17:35	Dinner Barbeque	

