



**13th SESAME User Meeting
25th – 26th November 2015**

Scientific Program

**1st Day
Wednesday, November 25th 2015**

08:30 – 10:00	Registration
10:00 – 10:30	Welcome and Opening
10:30 – 11:00	Coffee Break + Group Photo
11:00 – 11:30	“Scientific Program of SESAME” <i>Giorgio Paolucci</i>
11:30 – 12:00	“Recent Developments of the SESAME Accelerator Complex” <i>Erhard Huttel</i>
12:00 – 12:45	“MAX IV Laboratory: Vision and Status” <i>Jesper N. Andersen (Invited)</i>
12:45 – 13:00	“Scientific Computing Resources and VI-SEEM Project” <i>Salman Matalgah</i>
13:00 – 14:00	Lunch Break + Poster Session <i>(Hosted by: King Abdullah II Fund for Development (KAFD))</i>
14:00 – 18:00	Parallel Sessions A & B A. <i>Synchrotron Radiation and Life Sciences</i> B. <i>Societal Issues: Synchrotron Radiation for Environment and Energy</i>
18:00 – 19:30	Parallel Practical sessions A & B A. <i>Data Analysis in IR microscopy: from Univariate to Multivariate Approaches</i> B. <i>XRD Line Profile Analysis</i>
20:00 – 21:30	Dinner <i>(Hosted by: Newport Corp.)</i>

1st Day
Wednesday, November 25th 2015:
Parallel Sessions A & B

Session A : Synchrotron Radiation and Life Sciences	
	Welcome note <i>Gihan Kamel</i>
14:00 – 14:45	“Biology at Microscale with Synchrotron IR : Towards Biomedical Applications” <i>Paul Dumas (Invited)</i>
14:45 – 15:20	“Infrared Beamline at SESAME: Milestones and Perspectives” <i>Gihan Kamel</i>
15:20- 15:40	“Developments and Progress of the Infrared Synchrotron Radiation Beamline MIRAS at ALBA Synchrotron Light Source”. <i>Ibraheem Youssef</i>
15:40 – 16:00	“Detecting the Differences between Cancerous, Hyperplasia and Normal Breast Tissues by the Use of ATR-FTIR” <i>Amir S. H. Rozatian</i>
16:00 – 16:15	Coffee Break + Poster Session
16:15- 17:00	“Infrared Imaging at the Cellular Level Using Synchrotrons: <i>C. reinhardtii</i> and <i>C. elegans</i> ” <i>Tom Ellis (Invited)</i>
17:00 – 17:20	“Necessities of Beamline Optics for New Scientific Visions” <i>Hossein Khosroabadi</i>
17:20 – 17:40	“Spectroscopic Study of the Metal Nanoparticles Biosynthesized from Fungal Species” <i>May Eid</i>
17:40 – 18:00	“Synchrotron Data Based Structural Studies of Heterotrimeric G-protein Alpha (α) Subunit (AtGPA1)” <i>Ersoy Çolak</i>

Session B : Societal Issues: Synchrotron Radiation for Environment and Energy	
	Welcome note <i>Messaoud Harfouche</i>
14:00 – 14:45	“Status of the Crystallography Beamlines at Elettra” <i>Andrea Lausi (Invited)</i>
14:45 – 15:20	“SESAME Materials Science Beamline for X-Ray Diffraction Applications” <i>Mahmoud Abdellatif</i>
15:20 – 15:40	“In-Situ Synchrotron SAXS Study of Self-Assembly Process at Low Temperature in Sol-Gel Derived Highly Ordered Titania Mesostuctured Thin Films” <i>Hamid Reza Oveisi</i>
15:40 – 16:00	“Antimony Coordination to Humic Acid: Nuclear Magnetic Resonance and X-ray Absorption Fine Structure Spectroscopy Study” <i>Tserenpil Shurkhuu</i>
16:00 – 16:15	Coffee Break + Poster Session
16:15 – 17:00	“XAFS/XRF: Beamline Status, Techniques and Applications” <i>Messaoud Harfouche</i>
17:00 – 17:20	“Experimental and Theoretical Charge Density Analysis of Coumarin-3- Carboxylic Acid” <i>Maqsood Ahmed</i>
17:20 – 17:40	“Optimized Removal of Hg(II) from Polluted Effluents using Magnetic Glycidyl Methacrylate Grafted Diethylenetriamine as a Highly Efficient Sorbent” <i>Khalid Z. Elwakeel</i>
17:40 – 18:00	Round Table Discussion

2nd Day
Thursday, November 26th 2015

08:30 – 09:00	“The impact of Synchrotron Radiation on Science and Society in Developing Countries” <i>Herman Winick (Invited)</i>
09:00-9:45	“Synchrotron-based Tomographic Microscopy: Today, Tomorrow and Beyond” <i>Marco Stampanoni (Invited)</i>
9:45 – 10:15	Coffee Break + Posters’ Session
10:15-10:45	“Why and How Do We Utilize The Synchrotron and Nuclear Techniques to Shed Light on Our Common Middle-Eastern Cultural Heritage?” <i>Jan Gunneweg (Invited)</i>
10:45 – 11:15	TBD <i>Sarah Elliott</i>
11:15 – 11:45	Users’ Executive Committee Session
11:45 - 12:00	Closing Session and Best Poster Award
*12:15 “SHARP”	<i>Bus leaves to SESAME site</i>
13:00	Visit to SESAME laboratory & Lunch break <i>(Lunch hosted by: Jordanian Atomic Energy Commission (JAEC))</i>
15:15 “SHARP”	<i>Bus leaves from SESAME site</i>

* *For the visit to SESAME, a service bus will be waiting at the entrance of the “Days Inn” hotel. The bus will depart to SESAME site at 12:15 pm SHARP. Please, make sure to be present in front of the hotel entrance at least 10 minutes before the departure time.*