



**The 12th International Workshop
on**

**Synchrotron Radiation
in Nanomaterials**

15-18 November, 2014

El-Gouna, Hurghada, Red Sea, Egypt

The International Year of Crystallography (IYCr2014)

Program

First Day (15 November, 2014) Chairman: Prof. Yehia Abbas		
07.00	Departure from Cairo	
11.00	Visit to Wind Station (Zaafrana)	
13.00 – 14.00	Registration and Accommodation	
14.00	Lunch	
17.00 – 17.30	Opening Ceremony	
17.30 – 18.30	Celebrating the International Year of Crystallography	Prof. Karimat El-Sayed
18.30 – 19.30	Introduction to Synchrotron Radiation and Applications	Prof. Yehia Abbas
20.00	Dinner	

Second Day (16 November, 2014) Chairman: Prof. Tarek Hussein		
07.00 – 08.30	Breakfast	
09.00 - 10.00	Nanomaterials <i>ab-initio</i> Structure Determination	Dr. Ahmed Masadeh
10.00 - 11.00	Synchroland: All-in-One Facility	Dr. Gihan Kamel
11.00 – 12.00	Nanomagnetism in the Light of Circular Polarized X-Rays	Prof. Eberhard Goering
12.00 – 12.30	Coffee Break	
12.30 – 13.30	Global Energy Challenge and Synchrotron Radiation	Prof. Llewellyn Smith
14.00	Lunch	
17.00 – 19.30	Program's Training: "Pair Distribution Function Analysis of Nanomaterials (PDF)"	Dr. Ahmed Masadeh
20.00	Dinner	
Third Day (17, November 2014) Chairman: Prof. Salah Arafa		
07.00 – 08.30	Breakfast	
09.00 - 10.00	Application of EXAF: Spectroscopy to Structural Investigation of Nanomaterials	Prof. Giuseppe Dalba
10.00 - 11.00	Synchrotron Radiation for Advanced Bio-imaging: Micro-spectroscopy and Nano-FTIR	Dr. Gihan Kamel
11.00 - 12.00	Microstructure Determination	Dr. Matteo Leoni
12.00 – 12.30	Coffee Break	
12.30 – 14.30	Program's Training: "Whole Powder Pattern Modeling: PM2K [WPPM]"	Dr. Matteo Leoni Dr. Mahmoud Abd Ellatif
14.30	Lunch	
15.30 – 20.00	Free/Excursion	
20.00	Dinner	

Fourth Day (18 November, 2014) Chairman: Prof. Mostafa Radwan		
07.00 – 08.30	<i>Breakfast</i>	
09.00 – 10.00	Time and Spatially Resolved X-Rays Magnetic Microscopy at Maxymus**	Prof. Eberhard Goering
10.00 – 11.00	<i>Closing Ceremony: Recommendations</i>	
11.00 – 13.00	<i>Check Out</i>	
13.00	<i>Departure to Cairo</i>	

➤ **Posters' Session (Presentation):**

Second and Third Days (16 and 17 November 2014): 15.00 – 20.00.

** Maxymus = **MA**gnetic **X-raY** **M**icroscope with **UHV S**pectroscopy