



**Egyptian National Committee of
Crystallography (ENCC)**

and

**The Egyptian Society of
Crystallography and Its Applications
(ESCA)**

Celebrate

**The International Year of Crystallography
(IYCr2014)**



**By organizing
The 12th International Workshop
on**

**Synchrotron Radiation in
Nanomaterials Research**

15-18 November, 2014

El-Gouna, Hurghada, Red Sea, Egypt

**Call for
Abstracts and Registration**

**THE WORKSHOP IS HELD UNDER THE
AUSPICES OF**

Prof. Dr. Mahmoud Sakr

President of Academy of
Scientific Research and Technology

Honoray Chairmanship

Prof. Dr. Tarek Hussein

Former president of Academy of
Scientific Research and Technology
Vice President of SESAME Council

Chairman

Prof. Dr. Karimat El-Sayed

President of ENCC and ESCA

Co-Chairman

Prof. Dr. Ibrahim Farag

Vice-President of ESCA



Organizing and Programme Committee

- | | |
|--------------------|-----------------------|
| ▪ Yehia Abbas | Suez Canal University |
| ▪ Ahmed Ramadan | Helwan University |
| ▪ Aida Elshabiny | Nat. Research Center |
| ▪ Aisha Moustafa | Nat. Research Center |
| ▪ Alaa Akl | Minia University |
| ▪ Gihan Kamel | Helwan University |
| ▪ Sameh Ibrahim | Ain Shams University |
| ▪ Ahmed Farghaly | Nat. Research Center |
| ▪ Mohammed Bakr | Ain Shams University |
| ▪ El-Sayed Shalaby | Nat. Research Center |

Scientific Committee

- | | |
|--------------------|------------------------|
| ▪ Karimat El-Sayed | Ain Shams University |
| ▪ Ibrahim Farag | Nat. Research Center |
| ▪ Salah Arafa | American Uni. in Cairo |
| ▪ Mostafa Radwan | Fayoum University |
| ▪ Amer El-Korashy | British Uni. in Egypt |

Invited Speakers

- | | |
|----------------------|----------------------|
| ▪ C. Llewellyn Smith | Oxford University |
| ▪ Giuseppe Dalba | University of Trento |
| ▪ Eberhard Goering | Max-Planck-Institute |
| ▪ Matteo Leoni | University of Trento |
| ▪ Ahmed Masadeh | University of Jordan |

Basic Policy

The Organizing Committee will observe the basic policy of nondiscrimination and affirm the rights and freedom of scientists throughout the world to adhere or to associate in international scientific activity without regards to such factors as citizenship, religion, creed, political stance, ethnic origin, race, colour, language age or sex in accordance with the statutes of the International Council for Science.

Objectives

The Workshop in celebrating the International Year of Crystallography (IYCr2014), aims to provide a forum for exchange of knowledge in order to get the latest developments in structure determination and characterization of nanomaterials. The main objective is to highlight the powerful capabilities of Synchrotron radiation in nanomaterials research aspects. During this occasion, the advanced Synchrotron radiation applications covering different techniques such as X-ray Diffraction, Small Angle Scattering and Extended X-ray Absorption Fine Structure will be demonstrated. Hands-on computer training on some programs will be also arranged.

Topics

- Synchrotron Radiation Concepts and Applications.
- Nanomaterials *ab-initio* Structure Determination.
- Synchrotron applications in Nanomagnetic Materials and X-Rays Magnetic Microscopy.
- Synchrotron Radiation for Advanced Bio-imaging and Nano-FTIR.
- EXAF: From Spectroscopy to Structural Investigation of Nanomaterials.
- Microstructure Determination.
- PDF Applications in Amorphous and Nanocrystalline Materials.
- Energy and Synchrotron Radiation.

Sponsors

- ❖ Academy of Scientific Research and Technology.
- ❖ Int. Center of Diffraction Data (ICDD).
- ❖ PANalytical/Trade Link.

Call for Posters

Size of the poster is 80x100cm. The abstract should be not less than 100 words and no longer than one page (B5) with 2.5 cm margins, single spaced and font 12 in Times New Roman. The title is centered and in font 16 (bold) and the first letter in each word is given in capital letters. The author(s) name(s) is (are) centered and given in font 14. The institutional affiliation of each author is centered and given in font 11. Abstracts should be submitted not later than 15th of October, 2014.

Key Information

* **Please, bring your laptop.**

* **International Travel:**

- Visas must be obtained from the Egyptian Embassy. Arrival to Cairo should be arranged one day before departure to El-Gouna.
- There is a direct flight from European countries to Hurghada.

* **Gathering and Departure From Cairo:**

The trip to El-Gouna is about four and half hour. Buses will leave Cairo to the Workshop site on Saturday 15th of November 2014 from three gathering points at:

- 1) **07:00 am:** National Research Centre, Tahrir Street, Dokki (*Main gate*).
- 2) **07:15 am:** Ramsis Square (*Coptic Hospital*).
- 3) **07:30 am:** Roxy Square (*Cinema Roxy*).

About El-Gouna

A self-contained town on the beautiful Red Sea coast, El Gouna offers an unrivaled lifestyle. Built on 10 km of beach, the town of over 20,000 residents spreads across islands and lagoons. Boasting a superb infrastructure and excellent services, the destination is a short flight from Europe. At El Gouna, sandy beaches and the ideal temperatures welcome visitors all year round.

Registration Fees

- EURO 400: Non-Egyptian.
EURO 300: Accompanying persons
[This includes full board accommodation (double occupancy room) as well as transportation from Cairo to El-Gouna and back].
- LE 1500: Egyptians.
LE 1000: Accompanying persons.
LE 1200: ESCA members.
LE 900: Ph.D. & M.Sc. students of ESCA members.
[Reduced in accordance with the decision of Supreme Council of Universities].
- Number of scholarships are available to junior scientists.
- Deadline for receiving the registration fees is 15th of October, 2014.
- Payment can be made either:
 - Directly to National Bank of Egypt, Dokki Branch, Swift code: NBEGEGCXX160,
Local currency: Account # 01045003294 and
Foreign currency: Account # 11005003298,
 - Secretary of Physics Department, Faculty of Science, Ain-Shams University.
 - X-Ray Lab, Physics Department, National Research Center, Dokki

Best Poster Prize

Farid Ramadan Ahmed Prize of LE 500 will be given for the best poster.

Application

- Use online registration:
xrldlab-nrc-eg.org/registration.htm

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