

Registration Fees

L.E. 600 for ESCA members
L.E. 700 for Egyptians
L.E. 500 for accompanying persons
(Reduced in accordance with the decision of Supreme Council of Universities).
\$ 450 for non-Egyptians
\$ 250 for accompanying persons
Partial grants from IUCr are available for young scientists and postgraduate students.

The fees cover transportation from Cairo to Assiut and back, social activities and full board accommodation in double-bed rooms.

Payment can be made either directly to National Bank of Egypt, Dokki Branch, Account #01045003294 for local currency, and Account #11005003298 for foreign currency, or to the Secretary of Physics Department, Faculty of Science, Ain-Shams University. Dead time for receiving the registration fees is 1st Nov. 2004.

Use online registration or post your information (name, institution, address, presentation & e-mail).

Mailing Address

Prof. Dr. Karimat El-Sayed

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E-mail : karima@frcu.eun.eg.

Web: www.geocities.com/egyptiansca

Key Information

International Travel

Visas must be obtained from the Egyptian Embassy. Arrival to Cairo should be arranged one day before departure to Assiut.

Gathering and Departure From Cairo

The trip to Assiut lasts about five hours. The Buses will leave Cairo to the Conference site in Assiut on Saturday 27th of November 2004 from two gathering points (will be announced) at 7:00 am.

Organizing Committee

- **Yehia Abbas** Suez Canal University
- **Naima. A. Ahmed** National Research Centre
- **Salah Arafa** American Univ. in Cairo
- **Ibrahim S. Farag** National Research Centre
- **Mostafa Radwan** Cairo Univ. (Fayoum)
- **Ahmed Ramadan** Helwan University

Local Organizing Committee

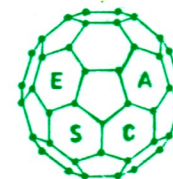
- **Naser M. Afyfy** Assiut University
- **Aamer A. El-Korashy** Assiut University
- **Mohamed A. Gaffar** Assiut University
- **Atef M. Abdalla** Assiut University
- **Hisham M. Alattar** Assiut University
- **Mohamed Almokhtar** Assiut University

Scientific Committee

- **Y. Abbas** Egypt
- **M. S. Ahmed** Egypt
- **F. R. Ahmed** Canada
- **N. A. Ahmed** Egypt
- **S. Arafa** Egypt
- **A. Le Bail** France
- **R. B. Von Dreele** U.S.A.
- **R. E. Dinnebier** Germany
- **K. El-Sayed** Egypt
- **I. S. Ahmed Farag** Egypt
- **M. M. Radwan** Egypt
- **A. A. Ramadan** Egypt
- **J. Rodriguez-Carvajal** France
- **J. Schneider** Germany
- **A. M. Shamaah** Egypt
- **R. Shirley** U.K.

Prize

Farid Ramadan Ahmed Prize of L.E.500 will be given to the best poster.



THE EGYPTIAN SOCIETY OF CRYSTALLOGRAPHY AND ITS APPLICATIONS (ESCA)

الجمعية المصرية لعلم البلورات وتطبيقاته

NINTH INTERNATIONAL WORKSHOP OF CRYSTALLOGRAPHY

Recent Advances in X-Ray Powder Diffraction

27 November- 2 December 2004
Assiut, Egypt

Sponsored by:

- * Academy of Scientific Research and Technology, Egypt.
- * Assiut University, Egypt.
- * International Union of Crystallography (IUCr).
- * The IUCr Commission on Powder Diffraction.

THE WORKSHOP IS HELD UNDER THE AUSPICES OF

Prof. Dr. M. R. Mahmoud
President of Assiut University

Honorary Chairmanship

Prof. Dr. Ezzat A. Ahmed
Dean of Faculty of Science, Assiut University

Prof. Dr. M. Saleh Ahmed
Honorary President of ESCA

Chairmanship

Prof. Dr. Karimat El-Sayed
President of ESCA

Call for Papers

Participants who want to contribute with papers are welcomed. The submitted papers should cover work in the field of powder diffraction and its applications. The papers will be presented as posters. The authors should send an abstract on an A4 paper not later than 1st November 2004.

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.

About Assiut

The Governorate of Assiut lies 350 Km south of Cairo and covering 120 Km along the Nile River. The name Assiut means the guardian of the road, meaning the guardian of the frontier of Upper Egypt. The name was first made of two syllables, sa- wat, in Hieroglyphic, and then was modified to suit the Arabic tongue and became Assiut. Assiut has rich and fascinating mixture of multicultural heritage, dating back as the Pre historic era (Dare Tasa/Sahel Selim El Hamamya - El Eqal Qably/El Badary). Then the Pharaonic times (Meer Tombs), the Greek and Roman times, the Coptic time (El Muharaq Monastery in al Qusiya), the Islamic time (Galal Addin Assiuti Mosque in Assiut city), up to the Modern times.

Objectives

During the last years fast developments in powder diffraction have been made. Advancement of the dedicated software combined with high resolution diffraction data increased the power of the powder method in structural and microstructural characterization. Accordingly, a regional Workshop is needed in order to allow researchers and post graduate students to be taught by experts in these growing fields. This Workshop will cover most of the recent developments in the field of powder diffraction. Lectures and hands on practical sessions covering many topics in the field will be given by highly specialized and eminent Professors.

Topics

- 1) High resolution powder diffraction: An indispensable tool in modern solid state science.
- 2) Structure prediction of inorganic compounds.
- 3) Indexing of powder diffraction using different programs (Crysfire, McMaille, ChekCell, etc).
- 4) *Ab-initio* structure analysis using different programs: EXPO (Direct method), ESPOIR (Reverse Monte Carlo method), etc.
- 5) Microstructural Rietveld analysis using different programs (GSAS, FULLPROF).
- 6) Rietveld quantitative multiphase analysis.

School Language

The language of the school will be English.