

FOREWORD

The MTPR--014 will be held as usual after four years of MTPR-010 on 12 December till 16 Dec. 2014 at Cairo Univ. We shall be honored if you accept our invitation to participate and enrich the meeting with your latest research results. Your colleagues and students are also welcomed to this important meeting.

This year 2014 has been an important year:

1. EGYPTIANS ELECTED THEIR PRESIDENT
2. CAIRO UNIVERSITY ADOPTED ELECTION TO CHOOSE THE UNIVERSITY PRESIDENT
3. PARADE OF CREATIVITY AND INNOVATION IN RESEARCH IS TAKING PLACE IN ALL RESPECTS.
4. Cairo University Project "Laser Inertial Fusion Energy For Water Desalination" is in progress

The GOAL & MOTIVATION of the meeting could be summarized as:

Develop greater understanding of physics research and its applications to promote new industries

Innovate knowledge about recent breakthroughs in PHYSICS fundamental and technological aspects

State the existing possibilities to perform systematic studies on the vast expanding fields of PHYSICS

Consider methods for implementing local, regional and international cooperation in new trends in PHYSICS research

Outline the needs to upgrade the performance of the PHYSICS research facilities in Egypt

Verify & issue Memorandum of Understanding to select Basic PHYSICS a path towards Applications

Enable execution of the projects forwarded by INDIVIDUALS, GROUPS or AUTHORIZED Researchers for Novel PHYSICS Fields

Reorganize plans for training graduate students

DISCOVER future hopes for developing countries to catch up with Modern Trends in Physics Research

TECHNICAL PROGRAM

MTPR-014 technical program will fall in 14 sessions 3.5

hours each. Sessions are parallel or combined, for **oral** presentation of invited papers and limited no. of contributed papers. **Posters** are accepted.

SCOPE

TOPIC I Atomic, Astrophysics & Cond. Matter Physics
TOPIC II Nano-Devices& Nanotechnology
TOPIC III Lasers App.& High Power Lasers
TOPIC IV Nuclear, High Energy& Particle Physics

LOCATION

The conference will be held at the new central library of Cairo University located at the University campus, Giza, EGYPT & at Luxor Piramisa Hotel

LANGUAGE

The official language of the conference is ENGLISH.

REGISTRATION

Registration Fees:
for Egyptian Participants 900 LE including Proceeding
for Egyptian Student 450 LE
For International Participants 400 EU including Proceeding
For International Students 200 EU
For Accompanying person 300 EU
All participants are kindly requested to email registration forms before **1st December 2014**

ACCOMMODATION

Lodging is available at university guest house or 5 *Hotels on BB basis for all International Participants.
Reservation of rooms at nearby hotels can be made for Egyptian Participants on request

EXHIBITION

Recent books, electronic equipments, optical devices,

imaging systems, computers, materials Etc. will be held at the same site during the conference.

SUBMISSION OF PAPERS

Email the one page ABSTRACT in:

TITLE in Capital letters in Arial Black Font 18,

NAMES in Arial Black Font 16

INSTITUTION in Arial Black, Italics, Font) 14

TEXT & REFERENCES Arial Black Font 12 single spaced

written on white A4 page in BLACK Script before 28 Nov.2014. Authors will be informed of the acceptance of their papers as well as presentation information including allocated time and mode (Oral or Poster) by 29 Nov. 2014

CONTACT INFO

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STEERING Chairman of MTPR-014

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IMPORTANT DATES

Title Deadline Nov. 12, 2014

Abstract Deadline Nov. 28, 2014

Registration Deadline Dec. 1st 2014

Hotel Reservation Deadline Dec. 1st 2014

MTPR-014 Conference Dec. 15, 2014

Manuscript Deadline Dec. 16, 2014

OPENING SESSION

Will start on 5:00 pm at the conference Hall
Of the New Library of Cairo Univ.15 Dec. 014

Scientific sessions will start at 9:00 am at the Nile Cruise on the RIVER NILE, 16 Dec. 014

Invited Speakers

Ali Abdo (Zewail City Sci.& Tech.)	EGYPT
Ahmed Al Azzawi, Energy center,	ARGENTINA
Ahmed Helal (A. Texas Univ.& Cairo Univ.)	USA & EG
Ahmed Zewail (Caltech & ZCST)	EGYPT & USA
Annie Klisnick (Paris Sud University)	FRANCE
Alim H. Nagvi (Aligarh Muslim Univ.)	INDIA
Ayub Faridi (Punjab Univ	PAKISTAN
Anil K. Pradhan (Ohio state Univ.)	USA
Catherine Brechignac (CNRS)	FRANCE
Chang Hee Nam,) KAIST)	KOREA
Enam Chaudry (Ohio State Univ.)	USA
Fanao Konghine (Academy of Sci.),	CHINA
Fazal-e-Aleem (CHEB; Punjab Uni	PAKISTAN
Feras Afaneh (Hashemite Univ.)	JORDAN
Giui Long Lo (Beikin Univ.)	CHINA
Hady Ahmed Abdel (Cairo Univ.)	EGYPT
Haris Rashid (CHEP, Lahore Univ.)	PAKISTAN
Hassan Talaat (Ain Shams Univ.)	EGYPT
Jai Pal Mittal) India Academy of Sci.)	INDIA
Jay M. Pasachoff (William-Hopkins Obs.)	USA
Ken Ledingham (Stratclyde Univ.)	UK
Martin Richardson (Central Florida Univ),	USA
Michael Downer (AustenTexas Univ.)	USA
Mohamed Al Okr (Al Azhar Univ.)	EGYPT
Mohamed Ali Ahmed (Cairo Univ.)	EGYPT
Mona Bakr Mohamed (Cairo Univ.)	EGYPT
Mostafa El-Sayed (Atlanta Inst. of Tech	USA
Munawar Iqbal (Punjab Univ	PAKISTAN
Nasr A. M. Hafez (Shanghai Jiao Tong Univ)	CHINA
Panagioti Loukakos (FOURTH)	GREECE
Ping Xue (Beijing Univ.)	CHINA
Richard Freeman (Ohio State Univ.)	USA
Rogger Hotton) Beijing Univ.)	CHINA
Salah Obayya (Zewail City Sci.& Tech.)	EGYPT
Samy Allam (Cairo Univ.)	EGYPT
Samy El Shal (Commonwealth Univ	USA

Sohair Negm (Banha Univ.)	EGYPT
Sultana Nahar (Ohio State Univ.)	USA
Tharwat el Sherbiny (Cairo Univ.)	EGYPT
Todd Ditmier (Austin Texas Univ.)	USA
Thomas Kuhl (GSIAN)	GERMANY
Yehia Ismaiel (Zewail City Sci.& Tech)	EGYPT

Patronage

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Head Physics Dept., Cairo University

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Lotfia El Nadi (Cairo Univ.)

TOPIC CHAIRS

- Atomic & Molecular Physics**
Chair : Tharwat El Sherbini) (Cairo University)
- **Astrophysics**
Chair : Ahmed Abdel Hady (Cairo University)
- **Condensed Matter Physics**
Chair: Mohamed Ali Ahmed (Cairo University)
- **High Energy Physics**
Chair : Mohamed El Nagdy (Helwan University)
- **NanoDevices**
Chair: Yehia Ismaiel (Zewail City of Sc.& Tech.)
- **Nanotechnology**

- Chair: Mostafa El Sayed (Georgia Inst. Tech.)
- **Nuclear & Particle Physics**
Chair : Abdallah Abdel Salam (Cairo University)
- **Lasers and Applications**
Chair: Hassan Talaat (Ain Shams University)
- **High Power Lasers & Plasma physics**
Chair: N. Hafez (Shanghai Ji. Tong Univ. China)

2nd CALL for PAPERS

The 5th International Conference on Modern Trends In Physics Research

MTPR-014

15- 19 Dec. 2014

Physics Dept., Faculty of Science
Cairo University

Abstract Deadline
28 NOVEMBER 2014

www.eun.eg/MTPR-014/home.htm