



Cairo University

**6<sup>th</sup> International Conference on  
MODERN TRENDS IN PHYSICS RESEARCH  
17-20 December 2016**

*Abstracts & Projects Book*

C  
O  
N  
D  
E  
N  
S  
E  
D  
M  
A  
T  
T  
E  
R  
P  
H  
Y  
S  
I  
C  
S

NANOTECHNOLOGY & APPLICATIONS



LASERS AND APPLICATIONS & HIGH POWER LASERS



NUCLEAR, HIGH ENERGY & PARTICLE PHYSICS



A  
T  
O  
M  
I  
C  
&  
A  
S  
T  
R  
O  
P  
H  
Y  
S  
I  
C  
S

**MTPR-016**



## LOCAL ADVISORY COMMITTEE

All Physics Professors at Cairo University  
Selected Physics Professors from Egyptian Universities  
Selected Physics Professors from Egyptian Institutes  
Selected Physics Professors from Egyptian Industries

## INTERNATIONAL ADVISORY COMMITTEE

Adel M. El Nadi, Faculty Engineering, Cairo University	<b>EGYPT</b>
Ahmed Azzawi, Nuclear Energy center	ARGENTINA
Ahmed Hassanein, Purdue University	USA
Ali Abdou, for Zewail City for Science & Technology	<b>EGYPT</b>
Alim Hussein, Aligarh Moslem University	INDIA
Chang Hee Nam, GIST	KOREA
D. Weaire, Trinity College Dublin	IRELAND
Enam Chowdary, Ohio State University	USA
Fazal-e-Aleem, Habib University	PAKISTAN
Gilles Renaud, CEA	FRANCE
Gui Lu Long, Tsinghua University	CHINA
Hans-Joachim Kunze, Ruhr-University	GERMANY
Hosam Gharib Abdelhady, Taibah University	KSA
Jai Pal Mittal, India Academy of Science	INDIA
John Collier, ULF, RUTHERFORD APPL. Laboratory	UK
Jonathan R. Ellis, CERN	SWITZERLAND
Jongmin Lee, GIST, QBF	KOREA
Kholmurad, Khasanin, Moscow State University	RUSSIA
Obayya Salah, Zewail City for Science & Technology	<b>EGYPT</b>
Martin Richardson, University Central Florida...	USA
Mike Downer, Texas Austin University	USA
Nasr Hafez, Shanghai Jiao Tong University	CHINA
P. Loukakos, IESL, FORTH	GREECE
Ping Xui, Tsinghua University	CHINA
Reinhold Schuch, Stockholm University	SWEDEN
Richard Freeman, Ohio State University	USA
Rogger Hutton, Fudan University	CHINA
Serge Koutchmy, Ins. Astrophys., Paris	FRANCE
Sultana Nahar, Ohio State University	USA
Thomas Kuehl, GSI & Darmstadt University	GERMANY
Todd Ditmire, Austin Texas University	USA
Yaming Zou, Fudan University	CHINA
Yehea Ismaiel, Zewail City for Science. & Technology	<b>EGYPT</b>
Yosr Gamal, NILES, Cairo University	<b>EGYPT</b>
Mohi Mansour, Faculty of Engineering, Cairo University	<b>EGYPT</b>