



2nd One-day Seminar on

Theoretical Physics

under the title:

Theoretical Physics and its Philosophy

Sunday 13 April 2014, Mansoura University,

Faculty of Science, Physics Department

Dear Colleagues ...

Dear Students ...

Kindly, allow *MTPRG* to invite you cordially to attend our 2nd one-day seminar.

The seminar is organized and sponsored completely by Mansoura Theoretical Physics Research Group (MTPRG)

Seminar Topics:

Non-Linear Phenomena in Physics, **Theory of Nano-Structure Semiconductors**,
Aerosol Physics, **Diffusion in Fractals**, **Radiative Transfer and Applications**,
Fractal and Soliton Physics, **Plasma Physics and Waves in Dusty Plasmas**

| <i>MTPRG</i> members: | Position |
|-----------------------------|---|
| <i>Prof. S. A. El-Wakil</i> | Professor of Theoretical Physics & Head of <i>MTPRG</i> |
| <i>Prof. A. R. Degheidy</i> | Professor of Theoretical Physics |
| <i>Prof. H. F. Machali</i> | Professor of Theoretical Physics |
| <i>Prof. E. M. Abulwafa</i> | Professor of Theoretical Physics |
| <i>Prof. A. Alhanbaly</i> | Professor of Theoretical Physics |
| <i>Prof. A. Elgarayhi</i> | Professor of Theoretical Physics |
| <i>Prof. E. K. El-Shewy</i> | Professor of Theoretical Physics |
| <i>Dr. M. Sallah</i> | Associate Professor of Theoretical Physics |
| <i>Dr. A. El-Shahat</i> | Lecturer of Theoretical Physics |
| <i>Dr. N. K. Radwan</i> | Lecturer of Theoretical Physics |
| <i>Dr. Abeer Mohamed</i> | Lecturer of Theoretical Physics |
| <i>Dr. E. B. Elkenany</i> | Lecturer of Theoretical Physics |

The working language of the seminar is English and Arabic is not forbidden.

Everybody is cordially invited to attend the 2nd seminar on Theoretical Physics

Dedicated to Prof. El-Wakil on his birthday

Program of the 2nd One-day Seminar of
Theoretical Physics Research Group (*MTPRG*)
Faculty of Science – Mansoura University – **EGYPT**

Sunday: 13 April 2014

| <i>N^o</i> | Time | Title | Speaker |
|----------------------|---------------|---|--|
| 0 | 9:30 – 10:00 | Registration | |
| 1 | 10:00 – 10:15 | Opening Ceremony | Dean of Faculty of Science, Head of Physics Department, |
| Session A: | | Chairman: Prof. A. Elgarayhi | |
| 2 | 10:15 – 10:30 | Word of Head of <i>MTPRG</i> | <i>Prof. Sayed A. El-Wakil</i> |
| 3 | 10:30 – 11:00 | Here We Learn | <i>Prof. Attalla Albanbaly</i> |
| 4 | 11:00 – 11:30 | Superconductivity 25 years on | <i>Prof. Sayed M. Ahmed</i> |
| 5 | 11:30 – 12:00 | Nonlinear Phenomena in Plasma | <i>Prof. Sallah K. Ellabany</i> |
| 6 | 12:00 – 12:30 | Coffee Break | |
| Session B: | | Chairman: Prof. A. R. Dedgheidy | |
| 7 | 12:30 – 1:00 | Why Theoretical Physics? | <i>Dr. Mohammed Sallah</i> |
| 8 | 1:00 – 1:30 | Theoretical Investigations of Semiconductor Alloys | <i>Dr. K. E. Elkenany</i> |
| 9 | 1:30 – 2:00 | Launch Break | |
| Session C: | | Chairman: Prof. E. M. Abulwafa | |
| 10 | 2:00 – 2:30 | Surface Nanostructures by Plasma Expansion | <i>Prof. Waleed Moslem</i> |
| 11 | 2:30 – 3:00 | Laser-Plasma Interaction | <i>Dr. Ibrahim El-Kamash</i> |
| 12 | 3:00 – 3:30 | Closing Word | |