



Space Weather Summer School

Space Weather Monitoring Center

Helwan University , Egypt

30 August to 10 September 2015

It is an annual School addresses to student and young scientists as an introduction to Space Weather Center four groups (Solar physics ,Ionosphere ,Magnetosphere ,Cosmic Rays)

Overview for application for Space Weather

Work shops for experimental work (Instruments, Data , Softwares)

Projects by Student at the end of school

School Program :

Solar physics :

- **The Sun**
- **Solar Activity**
- **Solar Radio Bursts**
- **Techniques to Monitor Solar Activity**

Ionosphere :

- **Ionosphere formation and Variability**
- **Ionospheric Phenomena**
- **Techniques to Monitor the Ionosphere**

Magnetism:

- **Geomagnetic Storms and Substorms**
- **Current System**
- **Geomagnetic Pulsation**
- **Magnetometers**
- **Data Analysis**

Cosmic Rays:

- **Introduction to Elementary Particle Physics**
- **Detectors and Accelerators**
- **Data Analysis**
- **Experiments**

Coordinators:

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Dr.Claudia Borries (DLR-Germany)

To Register Contact us:

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