



## **Astronomy Summer school programme**

### **Session of deepening studies in astronomy**

**July 15-18, 2014**

#### **Tuesday, July 15:**

- 9.30 am : Reception of participants
- 10.00 am – 10.45 am : Refresher courses: structure of the universe and astronomy phenomena
- 11.00 am – 12.30 am : Stars classification
- 12.30 am : Break
- 1.00 pm – 2.00 pm : Right ascension and declination

#### **Wednesday, July 16:**

- 10.00 am – 11.30 am : Eclipse application : determination of the diameter of the Moon and the distance between Earth and Moon
- 11.30 am : Break
- 12.00 pm – 2.00 pm : The parallax of stars

#### **Thursday, July 17:**

- 10.00 am – 11.30 am : The solar constant : observation of Sun and the measurement of its appearing diameter
- 11.30 am : Break
- 12.00 pm – 2.00 pm : determination of the solar constant and measurement of the distance between Earth and Sun

#### **Friday, July 18:**

- 10.00 am – 12.00 pm: The making of equatorial and analemmatic sundials
- 12.00 pm: Break
- 12.15 pm – 1.00 pm : construction of a nocturnal clock
- 1.00 pm – 2.00 pm: MCQ + Evaluation and suggestions