



**norden**

NordForsk



# **Nordic-Baltic Research School**

## **Observational Stellar Astrophysics in the Era of Gaia and Kepler Space Missions**

The aim of the school is to give participants a modern knowledge of how to observe and interpret stellar spectra and pulsations by doing own observations, interpret existing observations and do theoretical modelling. The main topics of the school will include methods for investigation of stellar main atmospheric parameters, the detailed chemical composition, asteroseismic activity, and search for exoplanets. Both photometric and spectroscopic observing techniques will be taught and tried out at four telescopes with modern detectors – two at the Molėtai Observatory in Lithuania, and two at Canary Islands remotely operated (the Nordic Optical Telescope at La Palma and for the first time the SONG telescope at the Teide Observatory) as well as data sets from the Kepler Space Mission.

The successful participants will receive 6 ECU credits towards a doctoral degree. The additional 4 ECU credits can be earned by describing original results in a form of scientific paper.

**Application deadline**  
**April 15, 2012**

**Molėtai observatory, Lithuania**  
**July 28 – August 11, 2012**

**<http://mao.tfai.vu.lt/nordicbaltic2012>**