## **Exoplanets hunt and characterization**

Mauro Barbieri, CISAS, University of Padova, Italy

To date about 1,000 planets are known orbiting other stars. These planets encompasses a large range of physical and orbital characteristics. At the same time the host stars populate a large fraction of the HR diagram. In this review I will illustrate the various techniques developed to discover the extrasolar planets and the characteristics of the planets discovered so far.