

# Wednesday

09:00 - 9:20 Welcome

## General context

- 09:20 -09:50 **The Potential of Asteroseismology for Stellar Modelling**, C. Aerts - KU leuven (IT)
- 09:50 -10:20 **Recent Developments and Highlights from the CHARA Array and NPOI**,  
G. Schaefer - Georgia State University (IT)
- 10:20 -10:35 **First attempts of combining asteroseismology and interferometry**, F. Thévenin - OCA
- 10:35 - 10:50 Coffee Break
- 10:50 -11:20 **Astrophysical parameters in Gaia DR2**, R. Andrae MPIA (IT)
- 11:20 -11:50 **PLATO & TESS : photometric space missions for bright stars** (IT)
- 11:50 - 13:20 Lunch break + coffee

## Interferometry & asteroseismology

- 13:20 -13:50 **Interferometric versus asteroseismic diameters**, T. White - Aarhus University (IT)
- 13:50 -14:10 **HR 7322: A benchmark for stellar evolution**, A. Stokholm Aarhus University
- 14:10 -14:30 **Assessing the impact of an interferometric radius on modeling of bright stars**, B. Nsamba - CAUP

- 14:30 -14:50 **Asteroseismology and Interferometry of Delta Scuti Stars**, Z. Guo - CAMK
- 14:50 -15:15 **Coffee Break**
- 15:15 -15:40 **Fundamental Parameters of Pre-Main Sequence Stars**, M. Simon - Stony Brook University
- 15:40 -16:00 **Combining Interferometry and Asteroseismology to Calibrate Funnelweb and other Large Spectroscopic Surveys**, M. Ireland - Australian National University
- 16:00 -16:20 **Variability of oscillation modes in the hot B subdwarf star KIC3527751**,  
W. Zong Beijing Normal University
- 16:20 -16:40 **46 LMi: An analysis of Doppler velocities of a target with an angular diameter**,  
S. Frandsen Aarhus University
- 16:40 -17:40 **Discussions**
- 18:00** **Visit of the Observatory**

## Thursday

- 09:00 -09:30 **Measuring stellar parameters using Optical Interferometry**, A. Merand - ESO (IT)

### Calibration of stellar properties

- 09:30 -10:00 **The atmosphere, the p-factor and the bright visible circumstellar environment of the prototype of classical cepheids delta Cep**, N. Nardetto - OCA (IT)

- 10:00 -10:20      **The [Y/Mg] clock works for evolved solar metallicity stars**, D. Slumstrup - Aarhus University
- 10:20 -10:40      Coffee Break
- 10:40 -11:10      **Constraining fundamental parameters of chemically peculiar stars**, I. Brandao - CAUP (IT)
- 11:10 -11:30      **Metallicity effect on Stellar Granulation detected from oscillating Red Giants in Open Clusters**,  
E. Corsaro - OACT
- 11:30 -11:50      **Pseudo-photometric apparent diameter of stars**, A. Chelli - OCA
- 11:50 - 13:20      Lunch break + coffee

### **Stellar atmosphere models**

- 13:20 -13:50      **Determination of stellar parameters and compositions with the aid of three-dimensional model atmospheres**, R. Collet - Aarhus University (IT)
- 13:50 -14:10      **The bubbling red giant branch stars**, A. Chiavassa - OCA

### **Binaries**

- 14:10 -14:40      **Masses and multiplicity of binaries from interferometry**, C. Hummel - ESO (IT)
- 14:40 -15:00      **Calibrating asteroseismology for red giants with eclipsing binaries**, M. Benbakoura - CEA
- 15:00 -15:30      Coffee break

15:30 -15:50	<b>Calibrating convective core overshooting with eclipsing binaries: a theoretical investigation of biases and random variability,</b> P. Giorgio Prada Moroni - Univ. Di Pisa
15:50 -16:10	<b>Probing Stellar Evolution with Massive Binary Pulsators,</b> C. Johnson - KU Leuven
16:10 -16:30	<b>Precise surface gravities of Delta Scuti stars from asteroseismology,</b> A. Garcia Hernandez - UGR
16:30 -17:30	<b>Discussions</b>
20:00	<b>Conference Dinner</b>

## Friday

### Exoplanet host stars

09:00 -09:30	<b>Exoplanet Host Stars: from Stellar to Planet Parameters,</b> A. Mann Columbia University (IT)
09:30 -09:50	<b>Present and future insights on exoplanetary system parameters,</b> R. Ligi - OCA

### Instrumentation

09:50 -10:10	<b>The Asteroseismic Programme at ARIES Nainital : Present and Future Prospects,</b> S. Joshi, Aries
10:10 -10:20	Coffee break
10:20 -10:50	<b>Prospects in optical interferometry - stellar physics perspectives,</b> D. Mourard - OCA (IT)

10:50 -11:20

**Prospects for Advancing Direct Determinations of Radius and Temperature,**  
G. Van Belle - Lowell Observatory

11:20 -11:50

**Discussions & closing remarks**