

Wednesday

09:00 - 9:20 Welcome

General context

- 09:20 - 09:50 **The Potential of Asteroseismology for Stellar Modelling** (C. Aerts, IT)
- 09:50 - 10:20 **Recent Developments and Highlights from the CHARA Array and NPOI** (G. Schaefer, IT)
- 10:20 - 10:35 **First attempts of combining asteroseismology and interferometry** (F. Thévenin)
- 10:35 - 11:05 **Astrophysical parameters in Gaia DR2** (R. Andrae, IT)
- 11:05 - 11:25 **Coffee Break**
- 11:25 - 11:55 **Photometric space missions for bright stars : PLATO** (K. Belkacem)
& **TESS** (J. Christensen-Dalsgaard) (IT)

Interferometry & asteroseismology

- 11:55 - 12:25 **Interferometric versus asteroseismic diameters** (T. White, IT)
- 12:25 - 12:45 **HR 7322: A benchmark for stellar evolution** (A. Stokholm)
- 12:50 - 14:20 **Lunch break + coffee**
- 14:20 - 14:40 **Assessing the impact of an interferometric radius on modeling of bright stars** (B. Nsamba)
- 14:40 - 15:00 **Asteroseismology and Interferometry of Delta Scuti Stars** (Z. Guo)

- 15:00 - 15:25 **Fundamental parameters of Pre-Main Sequence Stars** (M. Simon)
15:25 - 15:45 **Combining Interferometry and Asteroseismology to calibrate Funnelweb and other Large Spectroscopic Surveys** (M. Ireland)
15:45 - 16:10 **Coffee Break**
16:10 - 16:30 **Variability of oscillation modes in the hot B subdwarf star KIC3527751** (W. Zong)
16:30 - 16:50 **46 LMi: An analysis of Doppler velocities of a target with an angular diameter** (S. Frandsen)
16:50 - 17:40 **Discussions**

Thursday

- 09:00 - 09:30 **Measuring stellar parameters using Optical Interferometry** (A. Merand, 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, IT)
10:00 - 10:20 **The [Y/Mg] clock works for evolved solar metallicity stars** (D. Slumstrup)
10:20 - 10:50 **Constraining fundamental parameters of chemically peculiar stars** (I. Brandao, IT)
10:50 - 11:10 **Coffee Break**
11:10 - 11:30 **Metallicity effect on stellar granulation detected from oscillating Red Giants in Open Clusters** (E. Corsaro)
11:30 - 11:50 **Pseudo-photometric apparent diameter of stars** (A. Chelli)

Stellar atmosphere models

- 11:50 - 12:20 **Determination of stellar parameters and compositions with the aid of 3D model atmospheres**
(R. Collet, IT)
- 12:20 - 12:40 **The bubbling red giant branch stars** (A. Chiavassa)
- 12:50 - 14:20 **Lunch break + coffee**

Binaries

- 14:20 - 14:50 **Masses and multiplicity of binaries from interferometry** (C. Hummel, IT)
- 14:50 - 15:10 **Calibrating asteroseismology for red giants with eclipsing binaries** (M. Benbakoura)
- 15:10 - 15:30 **Calibrating convective core overshooting with eclipsing binaries:
a theoretical investigation of biases and random variability** (P. Giorgio Prada Moroni)
- 15:30 - 15:50 **Probing Stellar Evolution with Massive Binary Pulsators** (C. Johnson)
- 15:50 - 16:20 **Coffee break**
- 16:20 - 16:40 **Precise surface gravities of Delta Scuti stars from asteroseismology** (Garcia Hernandez)
- 16:40 - 17:40 **Discussions**
- 18:00 **Visit of the Observatory**
- 19:30 **Conference Dinner**

Friday

Exoplanet host stars

- 09:00 - 09:30 **Exoplanet Host Stars: from Stellar to Planet Parameters** (A. Mann, IT)
09:30 - 09:50 **Present and future insights on exoplanetary system parameters** (R. Ligi)

Instrumentation

- 09:50 - 10:10 **The Asteroseismic Programme at ARIES Nainital: Present and Future Prospects** (S. Joshi)
10:10 - 10:40 **Prospects in optical interferometry - stellar physics perspectives** (D. Mourard, IT)
10:40 - 10:50 **Quick Coffee break**
10:50 - 11:20 **Prospects for Advancing Direct Determinations of Radius and Temperature** (G. Van Belle)
11:20 - 12:30 **Discussions & closing remarks**
13:00 - 14:00 **Lunch**