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 astroseismic 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

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<tr>
<th>Time</th>
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<tr>
<td>09:00</td>
<td>Exoplanet Host Stars: from Stellar to Planet Parameters (A. Mann, IT)</td>
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<td>09:30</td>
<td>Present and future insights on exoplanetary system parameters (R. Ligi)</td>
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### Instrumentation

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<tr>
<td>09:50</td>
<td>The Asteroseismic Programme at ARIES Nainital: Present and Future Prospects (S. Joshi)</td>
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<td>10:10</td>
<td>Prospects in optical interferometry - stellar physics perspectives (D. Mourard, IT)</td>
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<td>10:40</td>
<td>Quick Coffee break</td>
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<td>10:50</td>
<td>Prospects for Advancing Direct Determinations of Radius and Temperature (G. Van Belle)</td>
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<td>11:20</td>
<td>Discussions &amp; closing remarks</td>
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