

***) Monday September 3**

08:00 – *Registration*

Session 1: Stellar revolution with Gaia (chair: Rodolfo Smiljanic)

09:00 – 09:10: *Welcome*

09:10 – 09:40: (Id 100) **The second Gaia data release (Elena Pancino, Invited)**

Session 2: Stellar physics and models (chair: Sylvia Ekström)

09:40 – 10:10: (Id ??) **Accuracy of low-mass stellar models (Gregory Feiden, Invited)**

10:10 – 10:30: (Id 51) **Attacking core helium burning stars from various angles (Simon Campbell)**

10:30 – 11:00 *Coffee break*

11:00 – 11:30: (Id 113) **Accuracy of high-mass stellar models (Marco Limongi, Invited)**

11:30 – 11:50: (Id 96) **The new PARSEC evolutionary tracks and isochrones with alpha enhancement (Xiaoting Fu)**

11:50 – 12:10: (Id 66) **Eclipsing binary systems and convective-core overshooting calibration: statistical errors and systematic biases (Pier Giorgio Prada Moroni)**

12:10 – 12:30: (Id 58) **Empirical relations for the estimation of stellar masses and radii in the Gaia era (Andres Moya)**

12:30 – 14:30 *Lunch break*

14:30 – 15:00: (Id 112) **Transport processes in stars: consequences for chemical tagging and age evaluation (Corinne Charbonnel, Invited)**

Session 3: From star formation to the main sequence (chair: Gaitee Hussain)

15:00 – 15:30: (Id 103) **Pre main-sequence stars: Guided by Gaia (Lynne Hillenbrand, Invited)**

15:30 – 15:50: (Id 63) **Studies of star-formation regions through photometric selection of M-type PMS stars (Francesco Damiani)**

15:50 – 16:10: (Id 53) **Gaia Study on the Formation of Intermediate Mass Stars (Miguel Vioque)**

16:10 – 16:40 *Coffee break*

16:40 – 17:00: (Id 98) **New young moving groups in Gaia catalogues (Bertrand Goldman)**

17:00 – 17:20: (Id 68) **Investigating young open clusters with Gaia-ESO and Gaia (Elena Franciosini)**

17:20 – 17:40: (Id 10) **The substructure and halo population of the Double Cluster h and x persei (Jing Zhong)**

17:40 – 18:00: (Id 37) **Are open clusters chemically homogeneous? (Lorenzo Spina)**

***) Tuesday September 4**

Session 4: Post main sequence evolution (chair: Scilla Degl'Innocenti)

09:00 – 09:30: (Id 14) **Advanced stages of stellar evolution (Amanda Karakas, Invited)**

09:30 – 09:50: (Id 81) **Li-rich giants from LAMOST: Precise locations on HR diagram (Yerra Bharat Kumar)**

09:50 – 10:10: (Id 67) S stars and s-process in the Gaia era (Sophie Van Eck)

10:10 – 11:00 *Extended coffee break with poster viewing*

11:00 – 11:30: (Id 101) **White dwarfs, Gaia and large surveys (Boris Gaensicke, Invited)**

11:30 – 11:50: (Id 77) The sdA puzzle: solved? (Ingrid Pelisoli)

11:50 – 12:10: (Id 93) White dwarfs in Gaia DR2 (Nicola Gentile Fusillo)

12:10 – 12:30: (Id 34) The population of stellar mass black holes in the Milky Way with Gaia (Lukasz Wyrzykowski)

12:30 – 14:30 *Lunch break*

Session 5: Surveys and techniques (chair: Sofia Randich)

14:30 – 15:00: (Id 26) **The Gaia Revolution of Kepler Stars: Implications for Asteroseismology and Exoplanets (Daniel Huber, Invited)**

15:00 – 15:30: (Id 111) **Ground Truth: science opportunities for photometric surveys in the Gaia era (Kevin Covey, Invited)**

15:30 – 15:50: (Id 56) Hunting for the extremely metal poor stars with Pristine Survey and Gaia (Federico Sestito)

15:50 – 16:10: (Id 32) Rotation curve of the Milky Way revisited (Jacek Krelowski)

16:10 – 16:40 *Coffee break*

16:40 – 17:10: (Id 107) **Large spectroscopic surveys and stellar physics: match made in heaven? (Andreas Korn, Invited)**

17:10 – 17:40: (Id 20) **Limits of spectroscopic stellar abundances and parameters (Maria Bergemann, Invited)**

17:40 – 18:00: (Id 3) Spectroscopic and astrometric radial velocities: Hyades as a benchmark (Luca Pasquini)

***) Wednesday September 5**

Session 6: Binaries and multiple stars (chair: Sophie Van Eck)

09:00 – 09:30: (Id 99) **Stellar physics from binary stars (Silvia Toonen, Invited)**

09:30 – 09:50: (Id 72) Testing the models of compact binary evolution with Gaia DR2 (Anna Francesca Pala)

09:50 – 10:10: (Id 19) The mass discrepancy in binary stars and its connection to interior mixing (Andrew Tkachenko)

10:10 – 10:30: (Id 45) Probing the short-period binary population using large spectroscopic surveys in the Gaia era (Gregor Traven)

10:30 – 11:00 *Coffee break*

11:00 – 11:20: (Id 11) Massive widowed stars: Runaways and walkaways from binary disruptions (Mathieu Renzo)

11:20 – 11:40: (Id 80) Hypervelocity stars in the Gaia era (Andreas Irrgang)

11:40 – 12:00: (Id 69) Spectroscopic Binaries in the Gaia-ESO Survey (Thibault Merle)

12:00 – 12:20: (Id 61) Hot subluminal stars in the Gaia era (Ulrich Heber)

12:20 – 14:30 *Lunch break*

14:30 *Buses to the museums*
15:30 – 17:30: *Guided excursions*
17:30 *Buses back to the conference venue*

***) Thursday September 6**

Session 7: Stellar variability (chair: Ryszard Szczerba)

09:00 – 09:30: (Id ??) **Stellar variability (Laurent Eyer, Invited)**

09:30 – 09:50: (Id 54) Classical cepheids in the Gaia DR2 era (Martin Groenewegen)

09:50 – 10:10: (Id 49) Astrophysics of Cepheids: results from the analysis of Cepheids in eclipsing binary systems (Bogumił Pilecki)

10:10 – 10:30: (Id 59) Classical Cepheids: from magnifying glasses of stellar evolution to standard candles (Richard Anderson)

10:30 – 11:00 *Coffee break*

11:00 – 11:30: (Id 16) **Variability surveys with Polish participation (Igor Soszynski, Invited)**

11:30 – 11:50: (Id 87) OGLE-ing the Magellanic System: Three-Dimensional Structure Using Classical Pulsators (Anna Jacyszyn-Dobrzyniecka)

11:50 – 12:10: (Id 22) The K2 RR Lyrae survey and Gaia (Robert Szabo)

12:10 – 12:30: (Id 43) Stellar variability in the ASASSN and APOGEE surveys (Michal Pawlak)

12:30 – 14:30 *Lunch break*

Session 8: Stellar ages (chair: Luca Pasquini)

14:30 – 15:00: (Id 27) **Stellar ages and stellar models (Tim Naylor, Invited)**

15:00 – 15:20: (Id 71) Ages of the Gaia Benchmark Stars (Christian Sahlholdt)

15:20 – 15:40: (Id 79) The importance of GAIA data in understanding gyrochronology models of solar-type stars (Angela Breimann)

15:40 – 16:10 *Coffee break*

16:10 – 16:30: (Id 46) Stellar dating using chemical abundances (Elisa Delgado Mena)

16:30 – 16:50: (Id 60) Isochrone fitting and Gaia results (Alexey Mints)

16:50 – 17:10: (Id 6) Stellar ages with Gaia and LAMOST, and its impact on Galactic archaeology (Maosheng Xiang)

19:30 *Conference dinner*

***) Friday September 7**

Session 9: Stellar populations (chair: Andreas Korn)

09:00 – 09:30: (Id 110) **Steps towards a robust age scale for Galactic archaeology (Leo Girardi, Invited)**

09:30 – 09:50: (Id 29) Galactic disc populations with the GAIA-ESO Survey (Andressa Ferreira)

09:50 – 10:10: (Id 25) Mapping the Age-metallicity relation with APOGEE and Gaia (Diane Feuillet)

10:10 – 10:30: (Id 74) Hot white dwarfs as powerful tools for Galactic archaeology (Nicole Reindl)

10:30 – 11:00 *Coffee break*

11:00 – 11:20: (Id 40) Broadening the horizon of chemodynamics with the GALAH survey and Gaia (Sven Buder)

11:20 – 11:40: (Id 17) Temporal evolution of the elements in the context of GALAH: Results from GALAH/Gaia DR2 (Jane Lin)

11:40 – 12:00: (Id 15) Local sample of red clump stars: the radial and vertical gradients of light and heavy element abundances (Edita Stonkute)

12:00 – 12:20: (Id 23) The chemical evolution of the Milky Way in the Gaia era (Valeria Grisoni & Francesca Matteucci)

12:20 *End of the workshop*