

# Conference program

## SUNDAY, September 17th

19:00–21:00 **Welcome Reception at the Niepołomice Royal Castle**

## MONDAY, September 18th

08:00–09:00 Registration

09:00–09:10 Opening

### Session I: Ground-Based Surveys

Chair: **Katrien Kolenberg**

09:10–09:50 Maurizio Salaris **(Invited)** Structure and evolution of RR Lyrae and Cepheids

09:50–10:30 Igor Soszyński **(Invited)** Classical pulsators in optical photometric surveys

10:30–11:00 coffee break

11:00–11:40 Dante Minniti **(Invited)** Classical pulsators in infrared photometric surveys

11:40–12:00 Zdenek Prudil The Oosterhoff dichotomy in the Galactic bulge

12:00–12:20 Gustavo Medina Distant RR Lyrae from HiTS: Exploring the outskirts of the Milky Way Toledo

12:20–12:40 Martin Groenewegen Properties of Anomalous and Type-II Cepheids in the Magellanic Clouds

12:40–14:00 lunch

### Session II: Classical Pulsators in Stellar Systems

Chair: **Paweł Moskalik**

14:00–14:40 Marcella Marconi **(Invited)** Studying stellar systems with classical pulsators

14:40–15:00 Hui Dong Identification of RR Lyrae stars in the Milky Way Nuclear Star Cluster

15:00–15:20 Javier Alonso-García RR Lyrae stars in the inner Galactic globular clusters

15:20–15:40 coffee break

15:40–16:00 Nina Hernitschek The geometry of Sagittarius Stream from Pan-STARRS1  $3\pi$  RR Lyrae

16:00–16:20 Anna Jacyszyn-Dobrzeńska Three-dimensional structure of the Magellanic System using OGLE Cepheids and RR Lyrae stars

16:20–16:40 Bertrand Lemasle Chemical composition of Cepheids in the Milky Way and in the Magellanic Clouds

16:40–17:00 Dorota Skowron Photometric metallicity from OGLE-IV RRab stars in the Magellanic Clouds

18:00–19:00 **Sightseeing of the Niepołomice Castle**

19:00– **Open-air BBQ dinner at the Podegrodzie Settlement (Niepołomice Castle)**

## TUESDAY, September 19th

09:00–09:30 Poster session

09:30–09:50 Nahathai Tanakul RR Lyrae variables in M31 and its satellites: an analysis of the galaxy's population

### Session III: Classical Pulsators from Space

Chair: **Karen Kinemuchi**

09:50–10:30 Gisella Clementini **(Invited)** Gaia and classical pulsators

10:30–11:00 coffee break

11:00–11:20 Lorenzo Rimoldini All-sky RR Lyrae stars in the Gaia data

11:20–12:00 László Molnár **(Invited)** Letters from the revolution: how is space photometry changing our view of stars

12:00–12:20 Emese Plachy K2 photometry of RR Lyrae stars

12:20–12:40 Róbert Szabó The Kepler Pixel Project

12:40–14:10 lunch

14:10–14:30 Ottó Hanyecz New RR Lyrae stars in the original Kepler field

14:30–14:50 Géza Kovács Big signals, small signals, systematics

### Session IV: Blazhko Effect and Other Dynamical Phenomena

Chair: **Johanna Jurcsik**

14:50–15:30 Zoltan Kolláth **(Invited)** Modeling and/or understanding the Blazhko effect

15:30–15:50 József Benkő Blazhko light curves – non-modulated and harmonic detuned signals

15:50–16:20 coffee break

16:20–16:40	Radek Smolec	Unstable standard candles – periodic modulation of pulsation in Magellanic Clouds’ Cepheids
16:40–17:00	Ennio Poretti	Cyclic variations on the periods of RR Lyr and Cepheid stars
17:00–17:20	Maria Süveges	Beyond strictly repetitive radial-mode pulsation: time-resolved analysis of the pulsation of OGLE Cepheids
17:20–17:40	Henryka Netzel	First-overtone RR Lyrae stars in the OGLE collection
17:40–18:00	Paweł Moskalik	K2 observations of double-mode RR Lyrae stars

**19:00–21:00 Presentation of the Youth Astronomical Observatory in Niepołomice**

**WEDNESDAY, September 20th**

**Session V: Period-Color-Luminosity Relations**

**Chair: Nancy Evans**

09:00–09:40	Jesper Storm	<b>(Invited)</b> Distances of classical pulsators
09:40–10:00	Jan Lub	Metallicity dependence of RR Lyrae absolute magnitudes and GAIA
10:00–10:20	Johanna Jurešik	Baade-Wesselink analysis of RR Lyrae stars in the globular cluster M3
10:20–10:40	Matteo Monelli	WINERED as a stepping stone for cosmic distance scale

10:40–11:10 coffee break

**Session VI: Interferometry, Radial Velocities and p-factor**

**Chair: Robert Szabó**

11:10–11:50	Richard Anderson	<b>(Invited)</b> Radial velocity observations of classical pulsators
11:50–12:30	Pierre Kervella	<b>(Invited)</b> Interferometry of classical pulsators
12:30–14:00		lunch
14:00–14:20	Simon Borgniet	Deriving the pulsation velocities and temperatures of Cepheids and other pulsators from high-resolution spectra
14:20–14:40	Boris Trahin	Pulsational modelling and projection factor of RR Lyrae stars
14:40–15:00	Nicolas Nardetto	The atmosphere, the p-factor and the bright visible circumstellar environment of the prototype of classical Cepheids delta Cep
15:00–15:20	Valeryi Vasilyev	Spectroscopic properties of a multi-dimensional Cepheid model
15:20–15:50		coffee break
15:50–16:50	Kepler & TESS WG Meeting	

**17:30–23:00 Wieliczka Tour & Conference Dinner**

**THURSDAY, September 21st**

**Session VII: New Phenomena**

**Chair: Nicolas Nardetto**

09:00–09:20	Nancy Evans	Outward from Cepheids
09:20–09:40	Paweł Pietrukowicz	The discovery of Blue Large-Amplitude Pulsators

**Session VIII: Binarity**

**Chair: Nicolas Nardetto**

09:40–10:20	Grzegorz Pietrzyński	<b>(Invited)</b> Classical pulsators in binary systems
10:20–10:50		coffee break
10:50–11:10	Bogumił Pilecki	What (and how) we can learn about pulsating stars using eclipsing binaries
11:10–11:30	Marek Skarka	On the interpretation of the long-term cyclic period variations
11:30–11:50	Gergely Hajdu	Continued search of RR Lyrae binary systems towards the Galactic bulge
11:50–12:20	Discussion – Present and future of classical pulsators studies. Moderators: Karen Kinemuchi & Katrien Kolenberg	
12:20–12:30	Closing Remarks	
12:30–14:00		lunch