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## Variable and binary stars in the era of big data and new instrumentation

Scientific program

[Monday, 18 September](#)

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[Abstract book \(pdf\)](#)

Note: The file with the presentation in pdf format is linked to each talk title (if available).

Monday, 18 September 2023

|               |                         |                                                                                                                                                  |
|---------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:00 - 9:00   | <b>Registration</b>     |                                                                                                                                                  |
| 09:00 - 09:40 | GUINAN Edward F.        | Setting the stage (via ZOOM)                                                                                                                     |
| 09:40 - 10:25 | EYER Laurent            | <a href="#">Gaia: a multi-epoch survey to decrypt variable and binary stars</a>                                                                  |
| 10:25 - 10:45 | <b>Coffee break</b>     |                                                                                                                                                  |
| 10:45 - 11:35 | MAÍZ APELLÁNIZ Jesus    | <a href="#">Extinction, the elephant in the room that hinders all optical Galactic observations</a>                                              |
| 11:35 - 14:00 | <b>Lunch and break</b>  |                                                                                                                                                  |
| 14:00 - 14:50 | MOURARD Denis           | <a href="#">Optical interferometry: a detailed vision of stars for a better knowledge of their properties</a>                                    |
| 14:50 - 15:10 | <b>Coffee break</b>     |                                                                                                                                                  |
| 15:10 - 15:35 | MEILLAND Anthony        | <a href="#">Probing dust and gas around hot stars with interferometry (disks around Be stars &amp; B[e] stars, wind of supergiant stars ...)</a> |
| 15:35 - 15:55 | HOLGADO Gonzalo         | <a href="#">Multi-epoch precise photometry from the ground: MUDEHaR, magnetic stars and everything around</a>                                    |
| 15:55 - 16:15 | JONÁK Juraj             | <a href="#">Binaries under the view of optical interferometry</a>                                                                                |
| 16:15 - 16:35 | PANTALEONI Michelangelo | <a href="#">OB cartography of the Milky Way with Gaia</a>                                                                                        |
| 19:30         | Welcome reception       |                                                                                                                                                  |

Tuesday, 19 September 2023

|               |             |                                                    |
|---------------|-------------|----------------------------------------------------|
| 09:00 - 09:50 | AERTS Conny | <a href="#">Lifting Asteroseismology to Higher</a> |
|---------------|-------------|----------------------------------------------------|

## Dimensions: from Ground- to Space-based Data

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|---------------|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 09:50 - 10:20 | BARLOW Brad            | <a href="#">Fundamental Properties of Binary Hot Subluminous O/B Stars Observed from Space</a>                            |
| 10:20 - 10:40 | <b>Coffee break</b>    |                                                                                                                           |
| 10:40 - 11:25 | BROŽ Miroslav          | <a href="#">Experience with fitting of multi-technique observations (with examples: QZ Car, delta Ori, beta Lyr, 216)</a> |
| 11:25 - 14:00 | <b>Lunch and break</b> |                                                                                                                           |
| 14:00 - 14:25 | PIGULSKI Andrzej       | <a href="#">Blue large amplitude pulsators - the binary context of their origin and life</a>                              |
| 14:25 - 14:45 | ROSU Sophie            | <a href="#">Apsidal motion in massive eccentric binaries</a>                                                              |
| 14:45 - 15:05 | <b>Coffee break</b>    |                                                                                                                           |
| 15:05 - 15:30 | KUBÁTOVÁ Brankica      | <a href="#">Inhomogeneities in the winds of massive hot stars</a>                                                         |

Wednesday, 20 September 2023

|               |                                                                    |                                                                                   |
|---------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 09:00 - 10:00 | BAADE Dietrich                                                     | <a href="#">What are Be stars? And how do they tick? A journey of exploration</a> |
| 10:00 - 10:45 | BOŽIĆ Hrvoje, HARMANEC Petr                                        | <a href="#">Evolution of a half century of the UBV photometry at Hvar</a>         |
| 10:45 - 11:05 | <b>Coffee break</b>                                                |                                                                                   |
| 11:05 - 11:30 | LABADIE-BARTZ Jon                                                  | <a href="#">Be stars observed by TESS</a>                                         |
| 11:30 - 14:00 | <b>Lunch and break</b>                                             |                                                                                   |
| 14:00 - 14:25 | NAZÉ Yaël                                                          | Gamma Cas phenomena as a link to massive stars                                    |
| 14:25 - 14:45 | WANG Luqian                                                        | <a href="#">Detection and characterization of Be+sdO(sdB) binaries</a>            |
| 14:45 - 15:05 | <b>Coffee break</b>                                                |                                                                                   |
| 15:05 - 16:30 | General discussion about unsolved problems of the Be star research |                                                                                   |

Thursday, 21 September 2023

|               |                        |                                                                                      |
|---------------|------------------------|--------------------------------------------------------------------------------------|
| 09:00 - 09:45 | PRŠA Andrej            | <a href="#">Space-based survey studies of eclipsing binary systems</a>               |
| 09:45 - 10:20 | PIETRZYNSKI Gregorz    | <a href="#">Eclipsing binary systems as precise and accurate distance indicators</a> |
| 10:20 - 10:40 | <b>Coffee break</b>    |                                                                                      |
| 10:40 - 11:25 | ZASCHE Petr            | <a href="#">Multiply eclipsing systems in the era of satellite telescopes</a>        |
| 11:25 - 14:00 | <b>Lunch and break</b> |                                                                                      |
| 14:00 - 14:25 | CHINI Rolf             | <a href="#">Rotation of O-stars in multiple systems</a>                              |

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|---------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------|
| 14:25 - 14:45<br><a href="#">(Delta, Epsilon, Zeta Ori)</a>         | OPLIŠTILOVÁ Alžběta                                                          | <a href="#">Massive multiple stars in the Orion belt</a> |
| 14:45 - 15:05                                                       | <b>Coffee break</b>                                                          |                                                          |
| 15:05 - 15:25<br><a href="#">system <math>\delta</math> Circini</a> | ŠVRČKOVÁ Jana                                                                | <a href="#">Improved orbital elements of the triple</a>  |
| 15:25 - 15:40<br><a href="#">system</a>                             | ZUMMER Michal                                                                | <a href="#">HD 93695 – A remarkable B3 star binary</a>   |
| 20:00 - 22:00<br><a href="#">ens</a>                                | Evening session: Reminiscences of Hvar 1983 workshop - <a href="#">Waelk</a> |                                                          |

Friday, 22 September 2023

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|---------------------------------------------------|-----------------|------------------------------------------------------|
| 09:00 - 09:40<br><a href="#">stellar activity</a> | OLÁH Katalin    | <a href="#">New answers to old questions in</a>      |
| 09:40 - 10:00<br><a href="#">structures</a>       | KOVARI Zsolt    | <a href="#">Contemporary view of stellar surface</a> |
| 10:00                                             | <b>Farewell</b> |                                                      |