Conference Information & Presentations

Celebrating the birthday of BRITE-Constellation

August 19 to 23, 2019

https://starsandspace.univie.ac.at/
Übersichtsplan der Veranstaltungsräume

© Universität Wien, Veranstaltungsmanagement, Stand Dezember 2017
WELCOME TO VIENNA

We cordially welcome you and invite you to discuss unresolved issues in the modeling of stars due to discrepancies between theory and observations concerning the physics needed to describe their structure (convection, rotation, magnetic fields, etc.) and evolution (from genesis to end of life), the interaction with their environment (winds out and in, outbursts, magnetic fields, etc.), and as members of ensembles (from binaries to galaxies). Other burning questions concern the most recent achievements in space observations and theory – and what the strategies for the future will be.

The conference has attracted about 250 registered participants from 47 countries! This very positive development has, however, resulted in a very dense program, especially as the organizers did not want to significantly reduce “free” time – critical for networking and informal discussions – during the conference.

The on-site registration desk will be available from 8:00 a.m. for typically 3 hours each day.

Addresses:
Conference Venue: Court 2, Lecture room C (Hörsaal C), Campus of the University of Vienna, Spitalgasse 2, 1090 Vienna
Reception in Town Hall (Rathaus): Friedrich-Schmidt-Platz 1, 1010 Vienna
Reception in Austrian Academy of Sciences (ÖAW):
  Ignaz-Seipel-Platz 2, 1010 Vienna
University Observatory: Türkenschanzstrasse 17, 1180 Vienna

Information for speakers: thanks to the overwhelmingly good response to this conference, it has unfortunately been necessary to cut all oral presentations in order to accommodate more speakers. It has also been necessary to transform some oral contributions to posters. We must insist that speakers respect both the 25 min time limit for keynotes and the 15 min time limit for oral contributions, respectively. It is up to the speaker as to how much of this time will be available for discussions directly following his/her presentation. It is the duty of the session chairs to strictly keep to the time schedule.

Important: Please deliver your pdf, power point or keynote version of your oral presentation by email to werner.weiss@univie.ac.at or via stick well in advance at the registration desk.

List of speakers, poster-presenters and co-authors:
Due to space limitations we list here only the authors who act as speakers
and the first author of each poster. The complete list of authors is available on the conference web-site at: https://starsandspace.univie.ac.at/

**Display of posters:**
Posters should be mounted as soon as possible, starting on Monday morning. The poster format should be about DIN A1 (about 60 x 84 cm) and in portrait format. Posters will be on display during the conference week and must be dismounted at the latest after the end of the conference on Friday at 13:00 (1 p.m.).

**Receptions:** We have the honor of having two receptions in the evening.
-- Monday Aug. 19th, we will be welcomed by the Mayor of Vienna at the Town Hall in the so called Rathauskeller at 19:15 (7:15 p.m.). Details are available at the registration desk. The Town Hall (Rathaus) is within easy walking distance (15 min) of our conference site. Just follow the crowd and you can’t miss it.

-- Thursday, Aug. 23rd, we look forward to the reception at the main building of the Austrian Academy of Sciences (ÖAW) at 19:00 (7:00 p.m.). This institution has very strong links to astronomy in Austria and has its present home in a beautiful baroque building decorated with famous frescos. There will be enough time to walk to the ÖAW, but public transport is also available. Details are available at the registration desk at the conference venue.

**Social program:**
On Wednesday, after the afternoon coffee break, you will have the opportunity of exploring some astronomy-related locations in Vienna with guided tours. Please consult the poster displayed next to the registration desk for details and sign up for the tour of your choice. The number of participants is typically limited to about 20 persons per tour.

-- Guided tour of the University Observatory - the roots of astronomy in Austria (tour guide: Stefan Wallner)
The University Observatory of Vienna is situated in a beautiful park around 25 minutes from the conference venue. You can either travel there alone or with the group after the coffee break. At the Observatory you will see and experience the splendid neo-renaissance observatory (designed by the architects Fellner & Helmer) and the largest refracting telescope in Austria, the 10.5 meter long refractor built by Howard Grubb, F.R.A.S.

-- Guided tour of the Kuffner Observatory – the beginning of astrophysics in Austria (tour guide: Günter Wuchterl)
The Kuffner Observatory was built by Moriz von Kuffner. You will be able to take a closer look at this beautiful building and its telescopes. You can either travel together to the observatory or meet there directly. For details please contact the registration desk.
-- Visit to the world’s largest meteorite display at the Natural History Museum in Vienna (tour guide: Director of the Museum, Prof. Christian Köberl)

The Natural History Museum Vienna houses the world’s largest meteorite exhibit. There are about 1,100 meteorites on display (including 650 different meteorites, consisting of 300 falls and 350 finds), many of which are historic falls or finds. The meteorite hall was recently renovated and now features a multitude of displays, many interactive; the objects shown range from one of the largest Martian meteorites (Tissint) to lunar rocks to an impact simulator, and much more. The guided tour with experts from the museum, will take about 1 to 1 1/2 hours. The first tour (16:30) will be held by the director of the museum, Dr. Christian Köberl, the second will start at 17:30.

-- Touring downtown Vienna’s astronomical highlights (tour guide: Thomas Schobesberger)

On the walking tour through Vienna you will get to see various important points in the development of astronomy in Vienna and get a few glimpses of where early astronomers worked. The route of the tour will depend on the weather and will be announced on the tour day. It is recommended you bring something to drink and wear comfortable shoes. The duration of the guided tour will be 90-120 minutes. The meeting point is the conference venue and the exact time will be announced at the registration.

-- Looking down on Vienna from Kahlenberg and ending the day in a Heuriger (tour guide: a frequent visitor of Vienna and astronomer, Radek Smolec)

We will start our walk near Kahlenberg, a 484-m hill in the Vienna Woods. Meeting point will be either there or at the venue, the details will be announced at the registration. The ~5 km route will lead through the woods and then through the vineyards. Magnificent views of Vienna are expected from several spots along the route. We will have the opportunity of tasting the local wine and specialties at the Heuriger Hirt. The walk will be easy, mostly downhill, but sturdy shoes are recommended. The walk will end at Nussdorf, the starting point of the D tram that can take you directly to the city center.

Conference Group Photo:
The conference photo will be taken on Tuesday after the Keynote talk at 12:30 before the lunch break.

Scientific Organising Committee:
Conny Aerts, Jadwiga Daszynska-Daskiewicz, Marc-Antoine Dupret (co-chair), Laurent Eyer, Luca Fossati, Martin Groenewegen, Hans Kjeldsen, Franz Kerschbaum, Coralie Neiner, Hiromoto Shibahashi, Nicole St.Louis, Werner Weiss (co-chair), Konstanze Zwintz.

Local Organising Committee:
Luca Fossati, Anneliese Haika, Shelley-Anne Harrisberg, Patrick Harnisch, Dorothea Holzschuh, Bernhard Hörl, Thomas Kallinger, Theresa Lueftinger, Lina Rummler, Stefanie Schauer, Sarah Stidl, Stefan Wallner, Werner Weiss (chair), Konstanze Zwintz
Please note that this event will be filmed and photographed.

The University of Vienna takes the protection of your personal data very seriously. We store this data for a duration of 7 years. Photographs of public figures are stored until further notice.

We process data in accordance with the legal provisions (article 6, para. 1 of the GDPR), i.e. on the following legal basis:

• "for the performance of a task carried out in the public interest", according to article 6, para. 1 of the GDPR (lit. e);
• "for compliance with a legal obligation" (lit. c) to inform the public about the fulfilment of the University of Vienna’s tasks according to section 3, line 11 of the 2002 Universities Act;
• "for the purposes of the legitimate interests pursued by the University of Vienna" (lit. f), i.e. for the purpose of documenting the activities of the University of Vienna.

Photos of you are published for the purpose of corporate communications.

We do not transfer data to any third country (EU or EEA country) or international organisation, with the exception of photographs of public figures.

You have the right to information, rectification, erasure, restriction of processing, data portability and the right to object. If you believe that the processing of your personal data violates data protection regulations or that your rights as a data subject have been violated, you can file a complaint with the Austrian Data Protection Authority (Wickenburggasse 8, 1080 Vienna).

How to contact our Data Protection Officer:
University of Vienna
Universitätsstrasse 7
1010 Vienna, Austria
T +43-1-4277-11000
dsba@univie.ac.at

Conference Photo: Tuesday 12:30
ORAL CONTRIBUTIONS

1. Flashlights as Introduction
2. Parameter Space & Pattern
3. Pulsation
4. Variability Other than Pulsation
5. Modelling
6. Binaries & Clusters
7. Other & More Challenges
8. Stellar Spheres of Influence
9. Lessons Learned
10. Future

Abstracts are available at: https://starsandspace.univie.ac.at/home/scientific-program/

Monday Morning: chairman Gerald Handler

1i01 (Mo 09:30) The space photometry revolution
Franz Kerschbaum

1i02 (Mo 09:40) The demystification of classical Be stars through space photometry
Dietrich Baade

1i03 (Mo 09:50) Listening to the Heartbeat: Tidal Asteroseismology in Action
Zhao Guo

1i04 (Mo 10:00) From no-go to highlights: Red Giants
Thomas Kallinger

1i05 (Mo 10:10) An innovative distance determination technique
Pierre Kervella

1i06 Mo 10:20) Nova Carinae 2018 - a first in many respects
Elias Aydi

2k01 (Mo 11:00) GAIA’s revolution in stellar variability
Laurent Eyer

2k02 (Mo 11:25) What we can learn from constant stars, and what means constant?
Ernst Paunzen

2o01 (Mo 11:50) Obscured Long Period Variables from the NIR VMC survey
Martin Groenewegen

2o02 (Mo 12:05) A zoology of high-mass pulsators with the TESS and K2 space missions.
Siemen Burssens
Monday Afternoon: chairman Gregg Wade

3k01 (Mo 13:50) Potential and challenges of pre-main sequence asteroseismology
Konstanze Zwintz

3k02 (Mo 14:15) Observations of internal structures of low-mass main-sequence stars and red giants
Saskia Hekker

3k03 (Mo 14:40) The inner structure of intermediate-mass stars revealed
Rhita-Maria Ouazzani

3k04 (Mo 15:05) Some thorny problems in pre-main sequence models: accretion, convection, rotation, and lithium
Thomas Constantino

3k05 (Mo 15:30) Asteroseismology of hot subdwarf and white dwarf stars
Valerie van Grootel

3k06 (Mo 16:25) What physics is missing in theoretical models of high-mass stars: new insights from asteroseismology
Dominic Bowman

3k07 (Mo 16:50) Cepheids under the magnifying glass - not so simple, after all!
Richard I. Anderson

3k08 (Mo 17:15) Asteroseismology of rapidly rotating stars with acoustic modes
Daniel Reese

3o01 (Mo 17:40) The BRITE SONG of Aldebaran
Paul Beck

3o02 (Mo 17:55) Complex asteroseismology of SX Phoenicis
Jadwiga Daszynska-Daszkiewicz

3o03 (Mo 18:10) Modelling Long-Period Variables in the Gaia Era
Michele Trabucchi

Tuesday Morning: chairwoman Konstanze Zwintz

4k01 (Tu 09:00) Early-type magnetic stars: the rotation challenge
Gautier Mathys

4k02 (Tu 09:25) Be star variability as seen from ground-based and space photometry
Alex C. Carciofi & Jonathan Labadie-Bartz

4k03 (Tu 09:50) BRITEness variations of the BRITEst hot stars
Anthony Moffat

4o01 (Tu 10:15) Shine BRITE: shedding light on the variability of stars through advanced modeling
Damian Fabbian

4o02 (Tu 11:00) cancelled

5k01 (Tu 11:15) Stellar convection and pulsation mode physics
Günter Houdek

5k02 (Tu 11:40) 3D Hydrodynamical Simulations of Stellar Convection for Helio- and Asteroseismology
Friedrich Kupka

5k03 (Tu 12:05) Low-mass stars: where observations and theoretical modeling don't agree
Anne Thoul
Tuesday Afternoon: chairman Anthony Moffat

5k04 (Tu 14:00) Challenges to modelling from groundbreaking new data of present/future space and ground facilities
Gisella Clementini

5k05 (Tu 14:25) Open problems in high-mass stellar evolution
Sylvia Ekström

5k06 (Tu 14:50) Stellar magnetic fields: internal magnetic fields
Jim Fuller

5k07 (Tu 15:15) Search for quiet stellar-mass black holes by asteroseismology from space
Hiromoto Shibahashi

5o01 (Tu 15:40) Accretion Simulations of Eta Carinae and Implications to Evolution of Massive Binaries
Amit Kashi

5o02 (Tu 16:25) From the Sun to solar-like stars: how does the solar modelling problem affect our studies of solar-like oscillators?
Gaël Buldgen

5o03 (Tu 16:40) Asteroseismic Binaries as non-Solar Mixing Length Calibrators
Meridith Joyce

5o04 (Tu 16:55) Unbiased seismic model fitting
Thomas Kallinger

5o05 (Tu 17:10) The relevance of partial ionization in the outer layers of F-stars
Ana Brito

5o06 (Tu 17:25) KIC 11971405 - the SPB star with the four asymptotic sequences of g modes
Wojciech Szewczuk

5o07 (Tu 17:40) An entropy-based calibration of the mixing-length parameter using 3D numerical simulations of convection
Federico Spada

5o08 (Tu 17:55) The slowly pulsating B-star 18 Peg: A testbed for upper main sequence stellar evolution
Andreas Irrgang

5o09 (Tu 18:10) Determination of precise stellar parameters of Kepler LEGACY targets using the WhoSGIAd method
Martin Farnir

Wednesday Morning: chairman Luca Fossati

5o10 (We 09:00) Improving stellar evolution models with atomic diffusion from asteroseismology of intermediate-mass stars
Joey Mombarg

5o11 (We 09:15) Interactions of waves with convection
Jesper Schou

5o12 (We 09:30) Is it time to retire the Sun as the reference star for determining red giant stellar parameters
Nathalie Themeßl

5o13 (We 09:45) Can gravity modes unravel near-core mixing profiles inside stars?
Mathias Michielsen
The rotation profile of gamma Dor stars: inference from Rossby modes
Steven Christophe

A Novel Modeling of Magneto-Rotating Stellar Evolution
Koh Takahashi

Binaries as key laboratories for stellar physics
John Southworth

Pulsating Stars in Binary Systems
Simon Murphy

R-mode oscillations in eclipsing binaries
Hideyuki Saio

Inclination Surveys in Open Clusters Using Be Stars
Aaron Sigut

On the amount and origin of the mass discrepancy in binaries
Andrew Tkachenko

Wednesday Afternoon: chairman Dietrich Baade

Calibrating asteroseismology for red giants with eclipsing binaries
Mansour Benbakoura

The Massive Heartbeat Project: Mapping the Upper HR Diagram
Bert Pablo

Protostellar accretion bursts and their effect on the pre-main-sequence stellar evolution
Eduard Vorobyov

Recent advances in numerical models that include atomic diffusion in stars
Georges Alecian

High-resolution view of hot-star magnetic fields: current status and future challenges
Oleg Kochukhov

Modelling the polarimetric signatures of magnetic massive stars with ADM
Melissa Munoz

Putting Stars into Boxes
Elizabeth Griffin

Thursday Morning: chairwoman Tatiana Ryabchikova

Discs around Be stars and complex radiation effects
Nathaniel Dylan Kee

Tides in star-planet systems and angular momentum exchanges
Stephane Mathis

Tracing stellar wind variability from space
Jiri Krticka

Cepheid Spheres of Influence
Nancy R. Evans

Star-planet magnetic interactions
Antonino Francesco Lanza
Dynamics of star-disk interaction processes in young, low-mass stars as seen from space
Laura Venuti

The distance of the Cepheid RS Puppis from its light echoes
Pierre Kervella

Coronal Cycles: \( \alpha \)Cen AB, Procyon, and the Sun
Thomas Ayres

Brite Photometric Variability of the Intriguing Wolf-Rayet Star WR6: Rotational or Binary Modulations
Nicole St-Louis

Thursday Afternoon: chairman Martin Groenewegen

Do planet systems influence the host star atmospheric abundances
Tatiana Ryabchikova

Nanosatellite Technology
Otto Koudelka

BRITE-Constellation Operations and Data Collection
Rainer Kuschnig

Lessons learned from Kepler and TESS
Victoria Antoci

Solar-Like Oscillations: Lessons learned and First Results from TESS
Daniel Huber

TESS RR Lyrae and Cepheid stars: first results
Emese Plachy

Flares, shocks, and dust in the remarkable nova ASASSN-18fv: a one in a million chance light-curve
Elias Aydi

Pulsations in massive close binaries: TESS versus BRITE
Andrzej Pigulski

Progress in the understanding of massive star interiors using BRITE and TESS
Gerald Handler

Magnetic OB[A] Stars with TESS: probing their Evolutionary and Rotational properties - The MOBSTER Collaboration
Alexandre David-Uraz

Friday Morning: chairwoman Nicole St-Louis

PLATO mission status
Juan Cabrera

PLATO instrument: end-to-end photometry performance and seismic potentials
Réza Samadi

PLATO: Complementary Science
Andrew Tkachenko

Pulsating stars in Ultraviolet: GALEX and WSO-UV
Mikhail Sachkov
10k04 (Fr 11:00)  The CHEOPS mission
Willy Benz

10k05 (Fr 11:25)  CHEOPS & stars (& asteroseismology)
Sebastià Barceló Forteza

10k06 (Fr 11:50)  ARIEL – Atmospheric Remote-sensing Infrared Exoplanet
Large-survey
Giovanna Tinetti

10k07 (Fr 12:15)  Glorious future
Theresa Lüftinger

(Fr 12:40)  CONFERENCE SUMMARY:
Conny Aerts

POSTERS

Abstracts available at:  https://starsandspace.univie.ac.at/home/scientific-program/

2. PARAMETER SPACE AND PATTERN

2p01  Pre-TESS observations of pulsating white dwarf stars at Konkoly Observatory
Zsófia Bognár

2p02  Comparison of the results obtained from the stars observing separately by
Kepler Satellite and Ground Based Telescopes
Ezgi Yoldas

2p03  A pre-main sequence variability classifier for TESS photometry
Marco Müllner

2p04  Clumpiness: Time-domain classification of Kepler red giant evolutionary states
James Kuszlewicz

2p05  Classification of variable stars
Dóra Tarczay-Nehéz

2p06  LAMOST-II Medium-Resolution Spectroscopic Survey:
The stellar parameter pipeline
Fang Zuo

3. PULSATION

3p01  Modeling the Solar-like Radial p-mode Line Profile Asymmetries
Jordan Philidet

3p02  planet-host pulsating star HR 8799 as seen by BRITE
Ádám Sódon

3p03  The changing non-radial pulsation pattern of the Algol-type star RZ Cas
Holger Lehmann

3p04  Asteroseismology of Low-mass Pulsating White Dwarfs
Jie SU
3p05  Pre-main sequence g-mode pulsators in K2 and TESS
Laura Ketzer

3p06  Asteroseismology of the β Cen system
Catherine Lovekin

3p07  Seismic modeling of Epsilon Persei and Epsilon Centauri based on BRITE and
ground based photometry plus professional and amateur spectroscopy
Elżbieta Zocłonska

3p08  The prototype star gamma Doradus, as viewed by TESS and ground-based
telescopes
Steven Christophe

3p09  The existence of hot gamma Doradus and A-F type hybrid stars
Filiz Kahraman Alicavus

3p10  cancelled

3p11  Delta Scuti stars in the Galactic bulge
Henryka Netzel

3p12  Effect of the magnetic field on period spacings of gravity modes in rapidly
rotating stars
Vincent Prat

3p13  Astrophysics of Cepheids: Physical properties and evolutionary status of
Cepheids in eclipsing binary systems.
Bogumil Pilecki

3p14  Wondering about red supergiants
Maria Messineo

3p15  The pulsation spectrum of the mass-accreting component of AS Eri.
David Mkrtichian

3p16  Cepheids near and far
Dóra Tarczy-Nehéz

3p17  TESS Discovers Tidally Trapped Pulsations in HD 74423
Gerald Handler

3p18  Multicolor Photometry of Peculiar Cepheid Stars Observed in the
Konkoly Observatory
Borbála Cseh

3p19  Science with BRITE-Constellation at the University of Innsbruck
Konstanze Zwintz

3p20  Long-term BRITE and SMEI space photometry of gamma Cas (B0.5 I Ve)
Camilla Borre

4. VARIABILITY OTHER THAN PULSATION

4p01  Stellar rotational variability and starspot diagnostics
Maxim Khodachenko

4p02  Short-term periodicities in activity of solar-type stars
Eka Gurgenashvili

4p03  Measurement of short-period activity cycles of fast rotating stars
observed by Kepler mission
Maxim Khodachenko

4p04  Superfast spectral variations of OBA stars
Alexander Batrakov

4p05  Results of Light Curves Analysis of Eclipsing Dwarf Nova EX Dra
Irina Voloshina
4p06  X-ray variability of Single and Binary Hot Stars
   Andy Pollock
4p07  Astronomical Potential of Satellite Star-Tracker Data
   Andy Pollock
4p08  EM Cep - an Interesting Be Star
   Nino Kochiashvili
4p09  Old and New observational Data of P Cygni.
   Sophia Beradze
4p10  The first Ap star in an eclipsing binary system
   Marek Skarka
4p11  Measuring Rotational Evolution With Space Photometry
   Matthew Shultz
4p12  Variable stars in the ASAS-SN and APOGEE surveys
   Michal Pawlak
4p13  The strange case of HD 65987, a magnetic Bp star in the open cluster NGC 2516
   John Landstreet
4p14  Multi-Instrument Analysis of Gaia, Kepler, ASAS-SN, and ASAS Observations
   for Long-Period Variables.
   Erich Hartig
4p15  Superflares on GKM stars
   Daisaku Nogami
4p16  A new window into massive star variability: 2-min cadence TESS data
   Jonathan Labadie-Bartz
4p17  STEREO Observations of Be stars
   Dogus Ozuyar
4p18  Variability in Wolf-Rayet Stars
   Guillaume Lenoir-Craig
4p19  Simultaneous photometric and spectral analysis of the new outburst of
   V1686 Cyg
   Hasmik Andreasyan
4p20  Five new magnetic stars tipped from their Kepler photometry
   Iosif Romanyuk
4p21  NUV Variability in the Kepler Field
   Emanuele Bertone

5. MODELLING

5p01  New fully evolutionary models for asteroseismology of ultra-massive
   white dwarf stars
   Alejandro Hugo Córsvico
5p02  2D modelling of Altair
   Kevin Bouchaud
5p03  Shallow water MHD waves in dynamo layers of solar-type stars
   Teimuraz Zaqarashvili
5p04  Determining the size of helium cores for two red giant stars by asteroseismic
   analysis of the individual mixed modes
   Xinyi Zhang
5p05  Low-Z solar models with overshoot, accretion and mass loss consistent with
   helioseismic inferences
   Qian-Sheng Zhang
5p06 The Age of Zero Age Main Sequence Stars as an Analytic Function of Mass
  Thomas Steindl
5p07 Study of convection in one and multi-dimensional pulsating models
  Gábor Kovács
5p08 Convective overshooting in low-mass stars
  Fei Guo
5p09 Probing of stellar deep mixing with Kepler photometry
  Maxim Khodachenko
5p10 Carbon and nitrogen abundances as probes of material mixing in stars
  Grazina Tautvaisiene
5p11 Stellar convection: Convective Penetration and Gravito-inertial wave excitation
  Kyle Augustson
5p12 The s process in rotating low-mass AGB stars: nucleosynthesis calculations
  in models matching asteroseismic constraints
  Jacqueline den Hartogh
5p13 Determination of precise stellar parameters via combination of Gaia and
  AllWISE photometry
  Volker Perdelwitz
5p14 Stellar Evolution in Real Time: Models Consistent with First Direct Observation
  of a Thermal Pulse
  László Molnár
5p15 Detection of Frequency Shifts in Evolved Kepler Stars
  René Kiefer
5p16 Evolution of the gravity-offset of mixed modes in RGB stars
  Charly Pinçon
5p17 Insights Into Stellar Magnetism With TESS: Are magnetic A-type stars far
  more common than previously believed?
  James Sikora
5p18 Better Physics for Modelling Stars and their Oscillations
  Regner Trampedach

6. BINARIES and CLUSTERS

6p01 The Eclipsing delta Scuti Star EPIC 245932119
  JaeWoo Lee
6p02 Tidal Asteroseismology: Opportunities and Challenges
  Zhao Guo
6p03 Hot Subdwarf Stars and Binary Evolution
  David Brown
6p04 Sigma Sco: new observational insight from time-series of
  high-resolution spectroscopy
  Vadim Tsymbal
6p05 Eclipsing binaries with Beta Cephei variables
  Filiz Kahraman Alicavus
6p06 To be or not to be a binary
  Nathalie Themeßl
6p07 The results of ß Cep-type stars ensemble asteroseismology in NGC 6910 cluster
  Dawid Mozdzierski
6p08 The ß Cep pulsator in the eclipsing binary V381 Car - mode identification and
  seismic modelling
  Amadeusz Miszuda
Evolutionary status of the binary system KIC 10661783 with the δ Sct type component
Amadeusz Miszuda

Absolute Properties of the R CMa-type Eclipsing Binary KIC 6206751 with gamma Doradus Pulsations.
JaeWoo Lee

KIC 9163796 – a benchmark binary system for the determination of stellar ages
Desmond H. Grossmann

The spectroscopic multiplicity fraction in a sample of A/F-type (candidate) hybrid stars from the Kepler mission
Patricia Lampens

Spot or not?
Bartlomiej Debski

The variability of the B[e] supergiant binary GG Carinae
Augustus Porter

Possible Connection Between P Cygni and Neighboring Open Clusters
Manana Vardosanidze

7. OTHER & MORE CHALLENGES

FLAMing MiMeS: Extending our investigations of massive-star magnetism to nearby galaxies
Gregg Wade

Model Fittings of IR Spectra in Long-Period Variable Stars
Hyun-II Sung

From ancestors to offspring: tracing the connection between magnetic fluxes of OB and neutron stars using the population synthesis technique
Ekaterina I. Makarenko

Rotational inversions along the lower part of the red giant branch
Felix Ahlborn

A Search of Multi-Fractality into the Solar Flux Emission Spectrum obtained by Nobeyama Radio Observatory During Solar Cycle 24
Sankar Narayan Patra

Recognition of M-type stars in the unclassified spectra of LAMOST DR5 using a hash learning method
Yanxin Guo

Gravitational fragmentation of a filamentary molecular cloud using SPH
Fatemeh Danesh Manesh

Analysis of Photometry of Stars from Space and Ground-Based Surveys
Dmytro Tvardovskyi

From monitoring survey of variable red giant stars in Andromeda VII to the evolution
Mahdieh Navabi

8. STELLAR SPHERES OF INFLUENCE

New powerful outburst of the unusual young star V1318 Cyg S (LkHa 225 S)
Hasmik Andreasyan

Satellite observations as a powerful tool to study flares of you M-stars
Elke Guenther
8p03 Starspots and Rotation Velocities of Normal A and Am Stars
Edward Jurua

8p04 Ultraviolet variability of evolved B and Be stars
Iva Krticková

8p05 Type II Cepheids in the Kepler - K2 mission
Monika Jurkovic

8p06 A transiting exocomet detected in broadband light by TESS in the β Pictoris system
Sebastian Zieba

8p07 Stellar X-ray and UV irradiation of exoplanets
Simon Joyce

8p08 Numerical simulation on the stellar atmosphere and wind of cool stars.
Takahito Sakaue

8p09 Ondrejov 2-m telescope – ground based support for exoplanetary space
Martin Blažek

8p10 Study of Far Infrared Nebulae at Declination +53° (J2000) in IRAS Maps
Sami Gauchan

8p11 Southern Bp-e star HD124448
Milan Zboril

9. LESSONS LEARNED

9p01 A Machine Learning Technique to Search Periodic Variability from BRITE Data
Ing-Guey Jiang

9p02 TOSC: an algorithm for the tomography of spotted transit chords
Gaetano Scandariato

9p03 Searching Exoplanet Transits from BRITE Data through Deep Learning Techniques
Li-Chin Yeh

9p04 Asteroseismic analysis of the SPB star observed by TESS: HD54967
Przemyslaw Walczak

9p05 cancelled

9p06 Eclipsing binaries hiding in the background: the Kepler Pixel Project
Adrienn Forró

9p07 Variability of HADS stars in TESS
Krzysztof Kotysz

9p08 Comparison between ground-based and T.E.S.S. observations of cataclysmic variable ASASSN-14ag
Karolina Bakowska

9p09 Open clusters in TESS data
Przemyslaw Mikolajczyk

9p10 Pulsating Crux: alpha and beta Crucis as seen by BRITE and SMEI
Piotr Kolaczk-Szymanski

9p11 Detection threshold relation in Fourier periodograms
Piotr Kolaczk-Szymanski

9p12 UVsat mission concept as a future extension of BRITE science
Roman Wawrzaszek

9p13 The Warsaw BRITE ground station and its potential for collaboration
Grzegorz Woźniak
10. FUTURE

10p01 The CUTE Small Satellite Mission
Luca Fossati

10p02 Multi-Epoch Asteroseismology and Stellar Evolution at the Top of the Main Sequence
Derek Buzasi

10p03 Gaia Successor with International Participation
Erik Høg

10p04 CHEOPS: CHaracterising ExOPlanet Satellite – Community Access to CHEOPS
Kate Isaak
Schedule: August 19 to 23 – Morning

<table>
<thead>
<tr>
<th>MORNING SESSIONS</th>
<th>MO</th>
<th>TU</th>
<th>WE</th>
<th>TH</th>
<th>FR</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>O</td>
<td>Key-</td>
<td>Oral-</td>
<td>Key-</td>
<td>Key-</td>
</tr>
<tr>
<td></td>
<td>P</td>
<td>4k1</td>
<td>5o10</td>
<td>8k1</td>
<td>10k1</td>
</tr>
<tr>
<td></td>
<td>E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ni</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NG</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:30</td>
<td>Introduc-</td>
<td>Key-</td>
<td>Oral-</td>
<td>Key-</td>
<td>Key-</td>
</tr>
<tr>
<td></td>
<td>tion</td>
<td>4k2</td>
<td>5o12</td>
<td>8k2</td>
<td>10k2</td>
</tr>
<tr>
<td>09:40</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00</td>
<td></td>
<td>Key-</td>
<td>Oral-</td>
<td>Key-</td>
<td>Key-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4k3</td>
<td>5o13</td>
<td>8k3</td>
<td>10k3</td>
</tr>
<tr>
<td>10:10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:20</td>
<td></td>
<td>Oral-</td>
<td>Oral-</td>
<td>Oral-</td>
<td>Oral-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4o1</td>
<td>5o15</td>
<td>8o1</td>
<td>10o1</td>
</tr>
<tr>
<td>10:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:40</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>Key-</td>
<td>Oral-</td>
<td>Key-</td>
<td>Key-</td>
<td>Key-</td>
</tr>
<tr>
<td></td>
<td>2k1</td>
<td>4o2</td>
<td>6k1</td>
<td>8k4</td>
<td>10k4</td>
</tr>
<tr>
<td>11:10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:20</td>
<td>Key-</td>
<td>Key-</td>
<td>Key-</td>
<td>Key-</td>
<td>Key-</td>
</tr>
<tr>
<td></td>
<td>2k2</td>
<td>5k1</td>
<td>6k2</td>
<td>8k5</td>
<td>10k5</td>
</tr>
<tr>
<td>11:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:40</td>
<td>Key-</td>
<td>Key-</td>
<td>Key-</td>
<td>Key-</td>
<td>Key-</td>
</tr>
<tr>
<td></td>
<td>2k2</td>
<td>5k2</td>
<td>6k2</td>
<td>8k5</td>
<td>10k6</td>
</tr>
<tr>
<td>11:50</td>
<td>Oral-</td>
<td>Oral-</td>
<td>Oral-</td>
<td>Key-</td>
<td>Key-</td>
</tr>
<tr>
<td></td>
<td>2o1</td>
<td>6o1</td>
<td>8o2</td>
<td>10k6</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Oral-</td>
<td>Key-</td>
<td>Oral-</td>
<td>Key-</td>
<td>Key-</td>
</tr>
<tr>
<td></td>
<td>2o2</td>
<td>6o2</td>
<td>8o3</td>
<td>10k7</td>
<td></td>
</tr>
<tr>
<td>12:10</td>
<td>Key-</td>
<td>Oral-</td>
<td>Oral-</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5k3</td>
<td>6o3</td>
<td>8o4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>L</td>
<td>Conf.</td>
<td>L</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>U</td>
<td>Summ.</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>N</td>
<td></td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C</td>
<td></td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H</td>
<td></td>
<td>S</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E</td>
<td></td>
<td>m</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:40</td>
<td></td>
<td>12:40</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Conference Photo: Tuesday 12:30
## Schedule: August 19 to 22 – Afternoon

### 3.7.19

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
<th>Session 3</th>
<th>Session 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:50</td>
<td>Lunch break</td>
<td>Key-3k01</td>
<td>Oral-5k04</td>
<td>Oral-8k05</td>
</tr>
<tr>
<td>14:00</td>
<td>Key-3k02</td>
<td>Oral-6k04</td>
<td>Oral-8k05</td>
<td>13:50 Lunch break</td>
</tr>
<tr>
<td>14:10</td>
<td>Key-3k05</td>
<td>Oral-6k05</td>
<td>Oral-9k01</td>
<td>14:00</td>
</tr>
<tr>
<td>14:20</td>
<td>Key-5k06</td>
<td>Oral-7k01</td>
<td>Key-9k01</td>
<td>14:10</td>
</tr>
<tr>
<td>14:30</td>
<td>Key-3k03</td>
<td>Key-9k02</td>
<td>14:20</td>
<td></td>
</tr>
<tr>
<td>14:40</td>
<td>Key-5k06</td>
<td>14:40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:50</td>
<td>Key-7k02</td>
<td>14:40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td>Key-3k04</td>
<td>14:50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:10</td>
<td>Key-7k03</td>
<td>14:50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:20</td>
<td>Key-7k04</td>
<td>15:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td>Key-5k05</td>
<td>Key-9k04</td>
<td>15:10</td>
<td></td>
</tr>
<tr>
<td>15:40</td>
<td>Key-7k05</td>
<td>Key-9k04</td>
<td>15:20</td>
<td></td>
</tr>
<tr>
<td>15:50</td>
<td>Social Program</td>
<td>Key-9k04</td>
<td>15:30</td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>...</td>
<td>Key-9k04</td>
<td>15:40</td>
<td></td>
</tr>
<tr>
<td>16:10</td>
<td>...</td>
<td>15:50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:20</td>
<td>...</td>
<td>16:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:30</td>
<td>Key-3k06</td>
<td>Key-9k05</td>
<td>16:00</td>
<td></td>
</tr>
<tr>
<td>16:40</td>
<td>Key-5k02</td>
<td>16:10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:50</td>
<td>Oral-5k03</td>
<td>16:20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:00</td>
<td>Key-3k07</td>
<td>Key-9k05</td>
<td>16:30</td>
<td></td>
</tr>
<tr>
<td>17:10</td>
<td>Oral-5k04</td>
<td>16:40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:20</td>
<td>Key-5k05</td>
<td>Key-9k05</td>
<td>16:50</td>
<td></td>
</tr>
<tr>
<td>17:30</td>
<td>Key-3k08</td>
<td>17:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:40</td>
<td>Oral-5k06</td>
<td>Oral-9k01</td>
<td>17:10</td>
<td></td>
</tr>
<tr>
<td>17:50</td>
<td>Oral-3k01</td>
<td>Oral-9k02</td>
<td>17:20</td>
<td></td>
</tr>
<tr>
<td>18:00</td>
<td>Oral-5k07</td>
<td>Oral-9k03</td>
<td>17:30</td>
<td></td>
</tr>
<tr>
<td>18:10</td>
<td>Oral-3k02</td>
<td>Oral-9k04</td>
<td>17:40</td>
<td></td>
</tr>
<tr>
<td>18:10</td>
<td>Oral-3k03</td>
<td>17:50</td>
<td>19:00 Reception Academy of Sciences</td>
<td></td>
</tr>
</tbody>
</table>

---

19:15 Reception Townhall