

PROGRAMME

IR	Invited Review (30 min)
OC	Oral Contribution (20 min)
OC2	Short Oral Contribution (15 min)
PC	Poster Contribution (5 min)

SUNDAY, 21 AUGUST 2016

17:00 – 20:00 **WELCOME RECEPTION**
Cafe Katzung (Herzog-Friedrich-Straße 16, 6020 Innsbruck)
<http://cafe-katzung.at>

MONDAY, 22 AUGUST 2016

09:00 **REGISTRATION**
10:00 **WELCOME COFFEE**

OPENING SESSION
Chairperson: Konstanze Zwintz

10:30 *Sabine Schindler* (Vice Rector for Research, University of Innsbruck)
Verena Wasenegger (Trade Commissioner of the Canadian Embassy in
Austria)
Ludwig Hofer (Austrian Research Promotion Agency, FFG)

SESSION 1: BRITE STATUS & OPERATION
Chairperson: Artie Hatzes

11:10 IR BRITE-Constellation Science Operation Review
Rainer Kuschnig (Graz University of Technology, A)

11:45 OC A statistical analysis of BRITE data
Matthias Kondrak (University of Innsbruck, A)

12:10 PC Preparing and correcting extracted BRITE observations
Bram Buysschaert (LESIA, Paris Observatory, F)

SESSION 2: MASSIVE STARS
Chairperson: Dietrich Baade

12:15 IR Massive star evolution: what we do(n't) know
Cyril Georgy (Geneva Observatory, CH)

12:50 LUNCH BREAK

- 14:15 IR Fundamental parameters and chemical composition of single and binary massive stars
Norbert Przybilla (on behalf of Fernanda Nieva, University of Innsbruck, A)
- 14:50 OC A BRITE View On The Hot Early-O-Type Supergiant zeta Puppis: Probing the Photospheric Drivers of its Large-Scale Wind Structures
Tahina Ramiamananantsoa (REMOTE, University of Montreal, CAN)
- 15:15 OC The Variations of the BRITE stars with strong winds
Noel Richardson (REMOTE, University of Toledo, US)
- 15:45 COFFEE BREAK
- SESSION 3: NANOSATELLITE MISSIONS - THE FUTURE**
Chairperson: Gregg Wade
- 16:15 OC Nanosatellite Missions – the Future
Otto Koudelka (Graz University of Technology, A)
- 16:35 OC CUTE: The Colorado Ultraviolet Transit Experiment
Luca Fossati (Space Research Institute, A)
- 16:55 OC UVSat
Andrzej Pigulski (University of Wroclaw, PL)
- 17:15 Discussion: Future (nano-) satellite missions
All
- 17:45 OC Nonlinearities in BRITE analog to digital conversions
Gordon Walker (REMOTE, University of Victoria, CAN)
- 18:15 END OF DAY 1

TUESDAY, 23 AUGUST 2016

SESSION 4: MAGNETIC STARS **Chairperson: Radek Smolec**

- 09:00 IR Early-type magnetic stars
Oleg Kochukhov (Uppsala University, S)
- 09:35 IR The BRITE spectropolarimetric survey
Coralie Neiner (LESIA, Paris Observatory, F)
- 10:10 OC Analysis of BRITE-Constellation photometry of magnetic B-type stars: rotation, pulsation, binarity, spots and magnetospheres
Gregg Wade (Royal Military College, CAN)

- 10:35 COFFEE BREAK
- 11:00 OC Understanding the photometric variability of ζ Ori Aa
Bram Buyschaert (LESIA, Paris Observatory, F)
- SESSION 5: BINARY AND MULTIPLE SYSTEMS**
Chairperson: Slavek Rucinski
- 11:25 IR Dynamic Asteroseismology: towards improving the theories of stellar structure and (tidal) evolution
Andrew Tkachenko (KU Leuven, B)
- 12:00 OC A century of observations of the triple system HD 201433
Thomas Kallinger (University of Vienna, A)
- 12:25 LUNCH BREAK
- 14:00 OC Pulsations in close binaries from BRITE point of view
Andrzej Pigulski (University of Wroclaw, PL)
- 14:25 OC B-type stars in eclipsing binaries
Milena Ratajczak (University of Wroclaw, PL)
- SESSION 6: PULSATING HOT STARS**
Chairperson: Werner Weiss
- 14:50 IR Pulsating massive stars
Maryline Briquet (Universite de Liege, B)
- 15:25 OC The solitary g-mode frequencies in early B-type stars
Jadwiga Daszynska-Daszkievicz (University of Wroclaw, PL)
- 15:50 COFFEE BREAK
- 16:20 OC The evolved slowly pulsating B star 18 Peg: a testbed for upper main sequence stellar evolution
Peter de Cat (Royal Observatory of Belgium, B)
- 16:45 OC Pulsating and other variable hot stars as seen with BRITE and from the ground
Gerald Handler (N. Copernicus Astronomical Center, P)
- 17:10 OC Analysis of Beta Cephei stars observed by BRITE
Ela Zocłonska (N. Copernicus Astronomical Center, P)
- 17:35 OC Analysis of photometry of bright hot stars from BRITE
Monika Rybicka (N. Copernicus Astronomical Center, P)
- 18:00 END OF DAY 2
- 19:30 **MEET AND GREET WITH AMATEUR OBSERVERS**

WEDNESDAY, 24 AUGUST 2016

SESSION 6: PULSATING HOT STARS (continued)

Chairperson: Andrzej Pigulski

- 09:00 OC The Most Massive Heartbeat: Finding the Pulse of Iota Orionis
Bert Pablo (University of Montreal, CAN)
- 09:25 OC Interpretation of the BRITE oscillation spectrum of the early B-type star
alpha Lupi
Przemyslaw Walczak (University of Wroclaw, PL)
- 09:50 OC BRITE photometry of seven B-type stars
Monika Rode-Paunzen (on behalf of Ernst Paunzen, University of Vienna, A)
- 10:15 PC Beta Lup, Delta Lup and tau Lup observed by BRITE-Constellation
Henryk Cugier (University of Wroclaw, PL)
- 10:20 IR Space photometry of Be stars
Thomas Rivinius (ESO Chile)
- 10:55 COFFEE BREAK
- 11:25 OC Difference frequencies in pulsating Be stars and their relation to mass loss
Dietrich Baade (ESO Germany)

SESSION 7: INTERMEDIATE AND LOW MASS STARS

Chairperson: Ennio Poretti

- 11:50 OC Using SME for deriving stellar parameters
Nikolai Piskunov (Uppsala University, S)
- 12:15 PC MOST results for some pre-main sequence stars
Michal Siwak (Mt. Suhora Observatory, PL)
- 12:20 PC 53 Per in the observations of BRITE
Ewa Niemczura (University of Wroclaw, PL)
- 12:25 PC Ground-based observations of BRITE targets from Mt. Suhora
Greg Stachowski (Mt. Suhora Observatoy, PL)
- 12:30 LUNCH BREAK
- END OF DAY 3
- 14:00 SHORT HIKE or CITY WALK**
- 19:30 CONFERENCE DINNER**
Restaurant Dengg (Riesengasse 11-13, 6020 Innsbruck)
<http://www.dengg.co.at>

THURSDAY, 25 AUGUST 2016

SESSION 7: INTERMEDIATE AND LOW MASS STARS (continued)

Chairperson: Jaymie Matthews

- 09:00 OC An update on the "Best of Hipparcos" BRITE Program
Daniel Huber (Sydney Institute for Astronomy, AUS)
- 09:25 IR Red Giant Seismology
Thomas Kallinger (University of Vienna, A)
- 10:00 OC Studying p-mode damping and the surface effect with hydrodynamical simulations
Friedrich Kupka (Wolfgang Pauli Institute, A)
- 10:25 COFFEE BREAK

SESSION 7: INTERMEDIATE AND LOW MASS STARS (continued)

Chairperson: Coralie Neiner

- 11:00 OC A BRITE View on delta Scuti and gamma Doradus stars
Konstanze Zwintz (University of Innsbruck, A)
- 11:25 OC2 43 Cygni observed with BRITE-Constellation
Stefan Gössl (University of Innsbruck, A)
- 11:45 OC2 A spectroscopic atlas of the A8 supergiant iota Carinae in the near-IR
Matthias Kondrak (University of Innsbruck, A)
- 12:05 OC Looking for giant rings around the exoplanet beta Pictoris b
Matthew Kenworthy (Leiden University, NL)
- 12:30 PC On The Shapes Of Radial Velocity Curves Of Rotationally And Tidally Distorted Polytropic Models Of Stars
Tarun Sachdeva (Thapar University Patiala)
- 12:35 LUNCH BREAK

SESSION 8: CEPHEIDS

Chairperson: Gerald Handler

- 14:00 IR Cepheid investigations in the era of space photometric missions
Emese Plachy (Konkoly Observatory, H)
- 14:35 OC Cepheids as scientific cases for interferometry and high-resolution spectroscopy
Ennio Poretti (INAF Brera, I)
- 15:00 OC Cepheid observations with BRITE - update
Radek Smolec (N. Copernicus Astronomical Center, PL)

- 15:25 PC The MOST view of Cepheids
Laszlo Molnar (Konkoly Observatory, H)
- 15:30 COFFEE BREAK
- 16:00 SESSION 9: GROUND-BASED OBSERVATIONS**
Chairperson: Gerald Handler
- 16:00 Discussion: Ground-based observations for BRITE targets
All
- SUMMARY & CONCLUSIONS**
- 16:30 IR Concluding Remarks
Slavek Rucinski (University of Toronto, CAN) & Werner Weiss (University of Vienna, A)
- 17:00 END OF DAY 4 & END OF CONFERENCE