

Monday, 7 August 2017

Introduction

Chairperson: Joyce Guzik

09:00 – 09:10: Conference opening (LOC)

09:10 – 09:50: Dietrich BAADE: BRITE Constellation Science Potential (30+10)

Stellar evolution+binarity

09:50 – 10:30: Andrzej PIGULSKI: Statistical overview of BRITE target stars observed so far (30+10)

10:30 – 11:00: Coffee break

11:00 – 11:40: Pablo MARCHANT: Single versus binary star evolution (30+10)

11:40 – 12:10: Milena RATAJCZAK: Massive eclipsing binaries observed by BRITE (20+10)

12:10 – 12:40: Herbert PABLO: UW CMa: An Enigmatic Massive Contact Binary (20+10)

12:40 – 14:00: lunch

Chairperson: Gerald Handler

14:00 – 14:30: Slavek RUCINSKI: Beta Lyrae: the binary and its BRITE observations in 2016 (20+10)

14:30 – 15:00: Anthony MOFFAT: Eta Carinae – the closest imposter? (20+10)

Stellar internal structure and pulsation

15:00 – 15:40: Timothy VAN REETH: Heat-driven stellar g-mode pulsations: lessons from space photometry (30+10)

15:40 – 16:10: Coffee break

16:10 – 16:40: Joyce GUZIK: Opacity Effects on Pulsations of A-type Stars (20+10)

16:40 – 17:20: Daniel REESE: Mode identification in rapidly rotating stars from BRITE data (30+10)

17:20 – 17:50: Jadwiga DASZYNSKA-DASZKIEWICZ: What have we learnt about B-type main sequence pulsators from the BRITE data (20+10)

17:50 – 18:10: Elżbieta ZOCŁOŃSKA: BRITE and ground based photometry and spectroscopy of the Beta Cephei star Epsilon Per (15+5)

Tuesday, 8 August 2017

Chairperson: Konstanze Zwintz

09:00 – 09:30: Radoslaw SMOLEC: BRITE observations of classical Cepheids (20+10)

Hot star winds

09:30 – 10:10: Stanley OWOCKI: Hot-star winds: theoretical predictions and observational evidence (30+10)

10:10 – 10:50: Tahina RAMIARAMANANTSOA: On the photospheric sources of wind structures in hot luminous O-type stars (30+10)

10:50 – 11:20: Coffee break

11:20 – 11:50: Anthony MOFFAT: Wolf-Rayet stars with BRITE (20+10)

11:50 – 12:20: Alexandre DAVID-URAZ: Stochastic photometric variations in early B supergiants (20+10)

12:20 – 12:40: Monika RYBICKA: Analysis of photometry of bright hot stars from BRITE (15+5)

12:40 – 14:00: lunch

Chairperson: Jadwiga Daszyńska-Daszkiewicz

Stellar magnetic fields

14:00 – 14:40: Matthew SHULTZ: Magnetic Stars Observed by BRITE (30+10)

14:40 – 15:10: Bram BUYSSCHAERT: o Lup: a strongly magnetic B-type star with stellar pulsations (20+10)

15:10 – 15:40: Melissa MUNOZ: The peculiar Of?p stars of the Magellanic Clouds: Are they strongly magnetic? (20+10)

15:40 – 16:10: Coffee break

16:10 – 16:40: James SIKORA: Surprising activity of A-type stars revealed by Kepler: are magnetic fields the culprit? (20+10)

16:40 – 17:10: Gregg WADE: Pulsation of the magnetic, ultra-slowly rotating β Cep star ξ^1 CMa (20+10)

Circumstellar environment (including disks and planets) + Be stars

17:10 – 17:40: Dietrich BAADE: BRITening up the Be Phenomenon (20+10)

17:40 – 18:10: Konstanze ZWINTZ: The exoplanet host star beta Pictoris seen by BRITE-Constellation (20+10)

Wednesday, 9 August 2017

Chairperson: Rainer Kuschnig

Present and future of astronomical nanosatellite projects

09:00 – 09:40: Starla TALBOT: Space Flight Laboratory: Disruptively Capable Smaller Satellites (30+10)

09:40 – 10:10: Gerald HANDLER: The Transiting Exoplanet Survey Satellite (TESS) mission: implications for BRITE (20+10)

10:10 – 10:40: Coffee break

BRITE data: target inventory, data analysis, and ground-based activities

10:40 – 11:20: Thomas KALLINGER: „Bayesian Magic” in Asteroseismology (30+10)

11:20 – 12:00: Konstanze ZWINTZ: The BRITE-Constellation GBOT database and other recent GBOT news (30+10)

12:00 – 12:40: Stella KAFKA: Two years of BRITE/AAVSO collaboration: summary and perspectives (30+10)

12:40 – 13:00: Discussion on ground-based activities: what can we do better? (Konstanze ZWINTZ)

13:00 - ?: Canoe picnic

Thursday, 10 August 2017

Chairperson: Herbert Pablo

BRITE data: data analysis, and ground-based activities

10:00 – 10:40: Rainer KUSCHNIG: BRITE-Constellation Operations Review (30+10)

10:40 – 11:10: Coffee break

11:10 – 11:40: Thomas KALLINGER: Testing the photometric stability of BRITE-Constellation (20+10)

11:40 – 12:10: Stefan GOESSL (remote): The sensitivity of the BRITE-Constellation satellites to periodic variations (20+10)

12:10 – 12:40: Adam POPOWICZ (remote): Current BRITE data processing and procedures, new data reduction pipeline (20+10)

12:40 – 14:00: lunch

Chairperson: Jason Rowe

14:00 – 16:00: Andrzej PIGULSKI, Bert PABLO et al.: new or unsolved issues in data reduction, Quality Control Team and data release notes

16:00 – 16:30: working coffee break

16:30 – 18:00: hands-on data reduction workshop group and BEST start their sessions

Friday, 11 August 2017

09:00 – 12:30: separate meetings of hands-on data reduction workshop group and BEST

12:30 – 14:00: lunch

14:00 – 14:45: data reducers and BEST meet for joint discussion

15:00: Bus leaves for Montreal airport

Poster presentations:

Joyce GUZIK: Radiation Transport Through Super-Eddington Stellar Winds in Luminous Stars

Andrzej PIGULSKI: τ Ori and τ Lib: two new massive heartbeat systems

Andrzej PIGULSKI: BRITE view of σ Scorpii, a β Cephei star studied for over a century