



ESO BELGIAN DAY

Thursday 8 December 2022

@PLANETARIUM Brussels

PROGRAMME OVERVIEW

| | AUDITORIUM | PLANETARIUM DOME | EXHIBITION HALL |
|-------|------------------------|---|---|
| 08h30 | WELCOME | WELCOME | |
| 09h00 | Astronomy Day (Part 1) | Students meet ESO (Part 1) | |
| 10h30 | | | COFFEE BREAK (offered by Belspo) |
| 11h00 | Astronomy Day (Part 2) | Students meet ESO (Part 2) | |
| 12h00 | | Plenary session - VC with Chile | |
| 12h30 | | | LUNCH (offered by Belspo) |
| 13h30 | | Plenary session - the Extremely Large Telescope | |
| 14h00 | Astronomy Day (Part 3) | ESO meets Belgian Industries | |
| 15h35 | | | COFFEE BREAK (offered by Belspo) |
| 16h00 | Astronomy Day (Part 4) | Planetarium Show | ESO meets Belgian Industries |
| 17h30 | | | ESO 60th anniversary drink (offered by ROB) |
| 19H00 | | ESO Outreach event | |

FEET ON THE GROUND

EYES ON THE SKY



ESO is the flagship facility of European astronomy, it operates three unique world-class observing sites in the Atacama Desert region of Chile: La Silla, the Very Large Telescope (VLT) and ALMA, and is building the Extremely Large Telescope (40 meters).





ASTRONOMY DAY

Thursday 8 December 2022

AUDITORIUM @PLANETARIUM Brussels

PROGRAMME

08h30 WELCOME

09h00 Thibaut Merle (ULB/ROB)

Spectroscopic binaries in the Gaia-ESO Survey

09h15 Rik Claes (ESO)

Testing disk evolution through mass accretion and its variability: the case of XX Cha

09h30 Marc-Antoine Martinod & Denis Defrère (KULeuven)

Science with the VLT: Asgard and GRAVITY+

09h45 Florian Kirchs (UGent)

Dust properties of hot exozodis derived from near- and mid-infrared spectroscopy

10h00 Mathieu Vander Donckt (ULiège)

Simultaneous multi-wavelength observations of comets with CRIRES+

10h15 Laurent Mahy (ROB)

Identifying quiescent compact objects in massive single-lined spectroscopic binaries

10h30 COFFEE BREAK

11h00 INVITED TALK 1 - Henri Boffin (ESO)

La Silla Paranal, your Observatory

11h30 Sophie Van Eck (ULB)

Spectroscopy of AGB and CEMP stars with ESO data

11h45 Silke Maes (KULeuven)

Studying the complexities of stellar outflows

12h00 PLENARY SESSION 1 in the dome - Alain Smette et al. (ESO)

Videoconference with ESO Chile and ESO Garching

12h30 LUNCH

13h30 PLENARY SESSION 2 in the dome - Michele Cirasuolo (ESO)

The Extremely Large Telescope: the future of ground based astronomy

14h00 INVITED TALK 2 - Carlos De Breuck (ESO)

ALMA

14h20 Chris Sterken (VUB)

The lifelong impact of an early-career student contract at ESO in Chile

14h35 Laetitia Delrez (ULiège)

An update on the SPECULOOS project and new results

14h50 Tinne Pauwels (KULeuven)

Massive stars and their large-separation low-mass companions through the eyes of SPHERE

15h05 Marco Palla (UGent)

A window on the first galaxies with ALMA

15h20 Hugues Sana (KULeuven)

The multiple nature of massive stars: an ESO-driven change of paradigm

15h35 COFFEE BREAK

16h00 Emmanuel Jehin (ULiège)

20 years of comet observations with the UVES high resolution spectrometer of the ESO VLT

16h15 Alain Jorissen (ULB)

Interferometry of AGB stars

16h30 Thomas Konings (KULeuven)

Understanding exoplanet atmospheres with numerical models

16h45 Sebastian Zúñiga-Fernandez (ULiège)

SPECULOOS: Hunting exoplanets of ultracool dwarfs with 1-meter ground-based telescopes network

17h00 Nadya Serebriakova (KULeuven)

The ESO UVES/FEROS Large Programs of TESS OB pulsators: spectroscopic analysis as a complement to future asteroseismic modelling

17h15 Lionel García (ULiège)

Contributions of the TRAPPIST telescopes to the field of Exoplanetary Science

17h30 Valentin Christiaens (ULiège)

Overview of directly imaged exoplanets and circumstellar disks with ESO facilities

17h45 END OF SESSION

FEET ON THE GROUND

EYES ON THE SKY





STEM Students meet ESO and Belgian Industries

PLANETARIUM DOME @PLANETARIUM Brussels

PROGRAMME

- 08h30 WELCOME**
09h00 Opening words
09h10 Engineering and career possibilities @ ESO
F. Delplancke (ESO)
09h30 Career possibilities @ AGC
B. Dussart (AGC)
09h45 Career possibilities @ AMOS
X. Verians (AMOS)
10h00 Career possibilities @ CSL
C. Grodent (CSL)
10h15 Q&A
10H30 COFFEE BREAK
11h00 Open discussions between students, AGC, AMOS, CSL and ESO
All
12h00 PLENARY SESSION 1 - Alain Smette et al. (ESO)
Videoconference with ESO Chile and ESO Garching
12H30 LUNCH
13h30 PLENARY SESSION 2 - Michele Cirasuolo (ESO)
The Extremely Large Telescope: the future of ground based astronomy

FEET ON THE GROUND

EYES ON THE SKY





ESO meets Belgian Industries

PLANETARIUM DOME @PLANETARIUM Brussels

PROGRAMME

- 12h00** **PLENARY SESSION 1** - Alain Smette et al. (ESO)
Videoconference with ESO Chile and ESO Garching
- 12h30** **LUNCH**
- 13h30** **PLENARY SESSION 2** - Michele Cirasuolo (ESO)
The Extremely Large Telescope: the future of ground based astronomy
- 14h00** Opening words
S. Pireaux (BELspo)
- 14h10** ESO Observatories - virtual tour
F. Delplancke (ESO)
- 14h30** Doing business with ESO
A. Tromp (ESO)
- 15h00** METIS: the mid-infrared imager and spectrograph for the ELT
O. Absil (ULiège)
- 15h20** Q&A with the speakers and in VC with ESO Garching
A. Tromp, O. Absil, S. Pireaux, F. Derie, J-P Pirard, F. Delplancke
- 15h35** **COFFEE BREAK**
- 16h00** Planetarium Show (with public) - Water, a Cosmic Adventure
Further discussions ESO - Belgian Industries in the exhibition hall
- 17h00** **END OF SESSION**

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EYES ON THE SKY





ESO BELGIAN DAY OUTREACH EVENT

Thursday 8 December 2022
@PLANETARIUM Brussels

PROGRAMME

- 16h00** PLANETARIUM SHOW (with public) - WATER, A COSMIC ADVENTURE
- 19h00** OPENING WORDS
- 19h10** VC with Chile & ESO Observatories virtual tour (NL, Fr)
A. Smette, L. Planquart, C. de Breuck, F. Delplancke (ESO)
- 19h25** Black holes - Wetenschap, observations & Nobel prize (NL, Fr)
C. de Breuck, F. Delplancke (ESO)
- 19h40** TRAPPIST: un télescope liégeois dans le désert d'Atacama (Fr)
E. Jehin (ULiège)
- 20h05** The quest to identify the missing population of black holes binaries: ups and downs and ups again (En)
H. Sana (KULeuven)
- 20h30** The Extreme Large Telescope: the future of ground based astronomy (En)
M. Cirasuolo (ESO)
- 21h00** Pleine lumière sur les étoiles (Fr)
S. Van Eck (ULB)
- 21h25** Dernières nouvelles de TRAPPIST-1 et ses sept planètes (Fr)
L. Delrez (ULiège)
- 21h50** ESO in a snapshot (NL, Fr)
A. Smette, C. de Breuck, F. Delplancke (ESO)
- 22h00** END OF SESSION

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