

Future Space Opportunities Schedule

Talks

Thursday 14h15-15h45

This session focuses on future astrophysics missions.

All talks in this session are allocated 12 minutes, including 10 minutes for the talk and 2 minutes for questions.

14h15: The Probe Far-Infrared Mission for Astrophysics: PRIMA (Invited) (*Seb Oliver*)

14h27: Line Emission Terahertz Observatory (LETO): exploring the origin of water and the lifecycle of the ISM in the Universe (*Dimitra Rigopoulou*)

14h39: FOSSIL: An ESA Medium class mission to transform our knowledge of the cosmic microwave background's spectrum. (Online) (*Giorgio Savini on behalf of*)

14h51: The NewAthena X-ray Observatory (*Mike Watson*)

15h03: SIRIUS - Stellar and ISM Research via In-orbit Ultraviolet Spectroscopy (Invited) (*Martin Barstow*)

15h15: Revealing the Cosmic Dark Ages from lunar orbit with CosmoCube (*Harry Bevins*)

15h27: The CASTOR Mission: Unveiling the ultraviolet Universe (*Gareth T. Jones*)

Thursday 16h15-17h45

This session focuses on facilities, technologies and future opportunities.

Talks in this session are allocated 11 minutes, including 9 minutes for the talk and 2 minutes for questions, with the exception of the first talk which is allocated 13 minutes, 11 for the talk and 2 minutes for questions.

16h15: Laboratory astrophysics - what future ? (*Giulio Del Zanna*)

16h28: The NESST (North-East Space Skills and Technology) Facility: The who what when where and why (*Eamon Scullion*)

16h39: The ALIGN (Autonomous Laser Intersatellite Gigabit Network) mission: enabling space science discovery with disruptive space technology (*Eamon Scullion*)

16h50: A space-based radio interferometer enabled by ultrafast optical links (*Andrew Blain*)

17h01: Blue Skies Space – a new model for the future of space-based research data (*Yoga Barrathwaj Raman Mohan*)

17h12: Lunar Farside Technosignature and Transients Telescope (LFT3) (*Steve Raj Prabu presenting on behalf of David DeBoer*)

17h23: The SPace-based InterFerometer Feasibility (SPIFF) Project: Enabling Future High-Resolution Astronomy Across the EM Spectrum (*Berke Vow Ricketti*)

17h34: Farside Interferometry Occultation Radio Experiment (FIORE) (*Robert Wicks*)

Friday 09h00-10h30

This session focuses on future missions and opportunities in Solar System studies

All talks are allocated 11 minutes, 9 minutes for the talk and 2 for questions, except for the first talk, which is allocated 10 minutes for the talk and 2 for questions.

09h00: Tools for the Future: Solar Physics Missions beyond Solar Orbiter (*Sarah Matthews*)

09h12: The ESA M7 candidate mission Plasma Observatory: Unveiling plasma energization and energy transport in the Magnetospheric System with multiscale observations (*Julia E. Stawarz*)

09h23: ROARS: Research Observatory for Atmospheric Responses to Sun-magnetosphere interactions (*Ravindra Desai*)

09h34: The Lunar Surface Electromagnetics Experiment: LuSEE-Night (*Stuart D. Bale*)

09h45: The Solar Atmospheric Modelling Suite (SAMS): Current status (*Andrew Hillier*)

09h56: The need for dual hemisphere auroral imaging from space (*John C Coxon*)

10h07: Future Space Science and Exploration Missions enabled by Low-Cost SSTL Small Satellites (*Steve Eckersley*)