

| Day 1 - Monday, 13/10/2025 - Opto-mechanical design and analysis | | | | |
|--|-------|--|--------------------------|------------------|
| Start | Stop | Title | Speaker | Affiliation |
| 13:45 | 14:00 | Introduction | V. Kirschner & L. Soulat | ESA |
| Session #1-1 | | STOP analysis modelling I | Session Chairs: | |
| 14:00 | 14:20 | Further development of European Thermo-Elastic Verification Guidelines | Simon Appel | ESA |
| 14:20 | 14:40 | STOP analysis for the CLIM instrument; Application and lessons learned | Joris Feijen | ATG Engineering |
| 14:40 | 15:00 | STOP-based computational design for opto-mechanical performance | Robin Looman | TNO |
| 15:00 | 15:20 | A European integrated software solution for STOP analysis | Pascal de Vincenzo | Open Engineering |
| 15:20 | 16:00 | Coffee break | | |
| Session #1-2 | | STOP analysis modelling II | Session Chairs: | |
| 16:00 | 16:20 | Improved design and simulation tools for additive manufactured flexures in opto-mechanical assemblies | Alexander Kuisl | OHB |
| 16:20 | 16:40 | The EnVisS camera Filter Strip Assembly Qualification test, a Finite Element Analysis | Carmen Naletto | CISAS-CNR |
| 16:40 | 17:00 | Finite element modelling of the mounting effects on large aluminium mirrors: the ARIEL primary mirror case | Simone Nordera | Leonardo |
| 17:00 | 17:20 | CubeSpec: Optomechanical design of a high-resolution cross-dispersed echelle spectrograph | Julien Storm | KU Leuven |
| 17:20 | 18:00 | Discussion | | |

| Day 2 - Tuesday, 14/10/2025 - Opto-mechanical design and analysis | | | | |
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| Start | Stop | Title | Speaker | Affiliation |
| 08:50 | 09:00 | Introduction day 2 | L. Soulat | ESA |
| Session #1-3 | | Design solutions for large payloads | Session Chairs: | |
| 09:00 | 09:20 | Large Mirror Design – On-going Ultralight Mirror TDE | Adiren Pavageau | Airbus Defence and Space |
| 09:20 | 09:40 | Deployable and active telescope using tape spring booms | Damien Sucher | Thales Alenia Space |
| 09:40 | 10:00 | Innovative opto-mechanical designs for high resolution thermal IR imaging | Ian Parry | SuperSharp Space Systems |
| 10:00 | 10:20 | Reversible Upgrade of the XACT Beamline at INAF Palermo: From X-ray Filter Testing to Cryo-Vacuum Facility for VIS/IR Space Optics | Elisa Guerriero | INAF |
| 10:20 | 10:50 | Coffee break | | |
| Session #1-4 | | Innovative design solutions I | Session Chairs: | |
| 10:50 | 11:10 | A novel LiDAR laser platform for aviation and space | Bastian Gronloh | RUPHOS |
| 11:10 | 11:30 | Mechanical design of a compact high-resolution TIR objective for the MORERA mission | Clement Charuel | LIDAX |
| 11:30 | 11:50 | Development of an AEOLUS-2 Beam Steering Mirror with high pointing stability and resolution | Julien Rouvinet | CSEM |
| 11:50 | 12:10 | Development of an innovative mounting structure for refractive components and systems for passive compensation of thermal defocus | Johannes Frasch | IOF |
| 12:10 | 12:30 | Multifunctional Surface Engineering for Space Opics: Combining Straylight Control, Structural Bonding, and ATOX Resistance | Chen Orenshtein | Acktar |
| 12:30 | 13:00 | Discussion | | |
| 13:00 | 14:00 | Lunch | | |
| Session #1-5 | | Innovative design solutions II | Session Chairs: | |
| 14:00 | 14:20 | Back-Telescope for the CAIRT mission - A design example for efficient manufacturing of a freeform-mirror-telescope with the snap-together method | Susanne Nikolov, Nils Heidler | Airbus Defence and Space, IOF |
| 14:20 | 14:40 | FFOCUS: Diffraction limited, fast, compact, wide field of view, VNIR novel optical payload with curved detector and narrow band filters for hyperspectral imaging | Paolo Sandri | OHB |
| 14:40 | 15:00 | Smart Telescope product line, end of development and first return of experience in space. | Romain Auribault | Thales Alenia Space |
| Session #1-6 | | Innovative design solutions III | Session Chairs: | |
| 15:00 | 15:20 | Exoplanet explorer – A single spacecraft nulling interferometer | Jerome Loicq | TU Delft |
| 15:20 | 15:40 | The HyperScout instrument design activities for Earth Observation and interplanetary missions | Marco Esposito | Cosine |
| 15:40 | 16:00 | Innovative OGSEs for the alignment of the CHIME Telescope and Spectrometers | Anthony Fortin | TNO |
| 16:00 | 16:30 | Coffee break | | |
| Session #1-7 | | New software tools and analysis methodologies | Session Chairs: | |
| 16:30 | 16:50 | Impact of tolerances on straylight for high volume optical communication terminals | Bernhard Michel | Hembach Photonik |
| 16:50 | 17:10 | Streamlined Modeling and Optimization of Optical Designs for Extreme Environments with Complete System-Level Image Simulation | Daniela Ponce | Synopsys |
| 17:10 | 17:30 | From Low- to Mid-Spatial Frequencies Surface Error: a deterministic analysis approach | Matteo Burreisia | Leonardo |
| 17:30 | 17:50 | On the Impact of Mid-Spatial Frequency Errors: Insights from a Spectrometer Case Study | Tiberiu Ceccotti | TNO |
| 17:50 | 18:00 | Discussion and wrap-up | | |
| 18:00 | 19:30 | Reception and Poster session for topics "Opto-mechanical design and analysis" and "Spin-in : Non-Space Technologies for Space Optics" | | |

| Day 2 - Tuesday, 14/10/2025 - Opto-mechanical design and analysis & Spin-in: Non-Space Technologies for Space Optics - Posters | | | | |
|--|-------|---|--------------------------------|---|
| Start | Stop | Title | Author | Affiliation |
| Session #1-8 | | Posters | | |
| 18:00 | 19:30 | Silicon Pore Optics: A Game-Changer for X-ray and soft-gamma ray Astronomy | Nicolas Barrière et al | COSINE B.V. |
| 18:00 | 19:30 | Integrated model of a high order active segmented mirror for space telescopes | Chiara Scandaglia et al | INAF |
| 18:00 | 19:30 | Mass Budget Analysis of a voice-coil Active Mirror for Space Telescopes | Matteo Menessini et al | INAF |
| 18:00 | 19:30 | Reflective dual field-of-view optical system | Lucas Zettlitz et al. | IOF |
| 18:00 | 19:30 | Qualified optomechanical components and systems for spaceborne LiDAR applications | Heinrich Faidel | Fraunhofer Institute for Laser Technology |
| 18:00 | 19:30 | DaedalusCAM: an immersive stereoscopic camera for lunar cave exploration | Carmela Agnese De Donno et al. | Planetek |
| 18:00 | 19:30 | HYPSES-EO NEW OPTO-MECHANICAL DESIGN AND ANALYSIS | Igor Dorgnach et al. | EIE GROUP Srl |
| 18:00 | 19:30 | Free-Space Setup for Metropolitan Hybrid-Channel Entanglement Distribution with Off-the-Shelf Components. | Breno Perlingeiro et al. | TNO |
| 18:00 | 19:30 | Enhancing Straylight Suppression in Cryogenic IR Instruments: Optimization of Fractal Black Coatings | Chen Orenshtein et al. | Acktar |
| 18:00 | 19:30 | Verification of spectral performance and straylight level on a Sun polychromator for the TRUTHS mission | Eneko Reina Velasco et al. | SENER Aerospace&Defense |