

📅 October 13-17, 2025

---

CONFERENCE WEBSITE: <https://atpi.eventsair.com/witso-2025/>

---

## | About the Conference

<br>topics


### Diffraction and Meta-optics

This topic covers innovative diffractive and meta-optics components and optical concepts for space applications related to imaging, **remote sensing** or optical communication. These components may include:


- Spectral dispersers
- Spatial and spectral filters
- Polarization **control**
- Flat optics
- Holograms and beam shaping
- Novel functionalities

The topic covers the following general aspects:

- Diffraction and meta-optics elements:
  - Design and analysis
  - Fabrication techniques
  - Materials and robustness
  - Metrology and characterization
- Instruments using diffractive and meta-optics:

 **Important Dates**

---

 **CONFERENCE DATE**  
**October 13-17, 2025**

Novel instrument concepts  
Modelling tools and simulations  
Experimental performance demonstrations

#### Spin-in: Non-Space Technologies for Space Optics

This topic addresses novel optical technologies developed in non-space domains which could be adapted for space optical instruments and bring ground-breaking or disruptive effects to the development of optical payloads and missions.

Such non-space domains could include for example:

On-ground astronomy  
Automotive industry,  
Semi-conductor industry

#### Opto-mechanical design and analysis

This topic addresses significant innovations in Opto-Mechanical Design and Analysis which could impact the performance, reliability, cost and/or time-to-flight of future optical missions, from cubesats to large deployable payloads.

Submissions for the following aspects are welcome:

Design analysis methodologies & processes, e.g.  
Opto-mechanical design solutions  
Innovative stress-free mounting concepts  
New tolerancing approaches  
Advances in-flight effects predictions  
Latest developments in STOP analysis

New ideas on the interaction between Straylight analysis and mechanical properties/design

Modelling. e.g.

New software tools and data interfaces

STOP (structural-thermal-optical-performance)

analysis processes

Input parameters: new needs?

Novel paradigms for model uncertainties

assessment and reduction

Interface with manufacturing and testing:

Improving manufacturing, alignment and

integration opto-mechanical effects prediction

Novel approaches to design Verification and model

correlation

### **TOPICS OF INTEREST**

2 topics

Research papers are invited in, but not limited to, the following areas:

 Uncategorized

 Physics & Applied  
Physics