

## Session Program

17-19 Jun 2026



## ATD3 Workshop 2026

# Numerical modelling and validation of destructive re-entry

Toulouse - Cité de l'Espace, Accueil  
Altair meeting room

## Wednesday 17 June

14:15

### Numerical modelling and validation of destructive re-entry

**Session** | **Location:** Toulouse - Cité de l'Espace, Accueil, Altaïr meeting room | **Conveners:** Martin Spel, Marco Fossati

14:15-14:33

#### Tree-Based Surrogate Modelling of Aerothermochemistry for Space Debris Reentry

**Speaker**

Jeanne Longlune

14:51-15:09

#### On Debris Aerodynamic Stability and its Prediction

**Speaker**

Alexey KLIMKO

15:09-15:27

#### BLAZE project: Improving Re-Entry Predictions Through Cross-Validated Modelling

**Speaker**

Bayrem Zitouni

15:27-15:45

#### Risk Requirements Verification Methods and Models for Spacecraft Re-entry: DIVE Update, Explosion and Ablation Modelling

**Speakers**

Ms Anca-Maria Stan, Andreea Sabau, Federico Bariselli, Marco Fossati, Valentin Ledermann

15:50

16:20

### Numerical modelling and validation of destructive re-entry

**Session** | **Location:** Toulouse - Cité de l'Espace, Accueil, Altaïr meeting room | **Convener:** Céline Baranger

16:20-16:38

#### Reachable Set Propagation for Space Debris Re-Entry

**Speaker**

Tommy Williamson

16:38-16:56

#### High-Fidelity Coupled Flow-Structure Simulation of the early Reentry Phase of the Satellite Eu:CROPIS

**Speaker**

Lukas Lemaitre

17:00