

Session Program

17-19 Jun 2026



ATD3 Workshop 2026

Fragmentation modelling

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

Friday 19 June

09:00

Fragmentation modelling

Session | **Location:** Toulouse - Cité de l'Espace, Accueil, Altaïr meeting room | **Conveners:** Benton Greene, Ian Holbrough

09:00-09:18

ESA-DSMCFED: Development Status and Recent Advances of the SMURFS Re-Entry Fragmentation Code

Speaker

Arnaud Francois

09:18-09:36

Explosive Geometric Fragmentation and Collisions During Re-entry

Speaker

Tommy Williamson

09:36-09:54

OSMOSE : Optimisation of Structural Morphologies for Operational Safety and End-of-life ; A topology optimization tool coupled to PAMPERO

Speaker

Eddy Constant

09:54-10:12

Analytical Analysis of the Re-entry Break-up Altitude Using Dimensional Analysis

Speaker

Clemens Mueller

10:12

10:52

Fragmentation modelling

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10:52-11:10

Recent Modelling Improvements to the Spacecraft Demise Assessment Tool PAMPERO : PAMPERO HiFi

Speaker

Valentin Ledermann

11:10-11:28

Recent Modelling Improvements to the Object Oriented Tool DEBRISK : DEBRISK V4

Speaker

Martin Spel

11:28