

Workshop on Small Satellites: Environmental Testing in New Space



Tuesday, 10 March 2026 - Tuesday, 10 March 2026

TFZ Wiener Neustadt

Scientific Programme

The rapid growth of the Small Satellite and New Space sectors involves a strong demand for efficient environmental testing strategies that enable the reliable use of commercial off-the-shelf (COTS) components. Thanks to the high performance of modern electronics, COTS technologies offer attractive opportunities for small and medium-sized companies entering the space industry, but their qualification for harsh space environments remains a critical challenge. Best-practice examples are essential to reduce risk, especially for small and medium enterprises, which intend to enter the space sector

Technical Sessions

The conference comprises **two technical sessions**.

The first technical session is dedicated to **best practice environmental testing**.

This esp. includes:

- Irradiation tests (SEE, TID, DD, Laser)
- Mechanical testing (Shock, vibration)
- Atomic Oxygen tests
- Electromagnetic compatibility

The second technical session is dedicated to the **future developments** of small satellites and missions.

This esp. includes:

- High aspect ratio satellites (Flat Sats)
- Future mission concepts (Agile Satellites)