

## UNIPD Supervisor: Giacomo Colombatti

---

**Project: E-FORESTER - Effective FOrrest Research Electronic System Terrain Exploration Rover**

---



**Coordinator:** Space System Solutions (S3) LTD

**Beneficiary:** Università degli Studi di Padova

**UNIPD Supervisor:** Giacomo Colombatti

**Department:** Department of Industrial Engineering

**Total Contribution:** € 174 800,00

**Project Duration in months:** 48

**Find out more:** <https://cordis.europa.eu/projects/en>

Giacomo Colombatti is an experienced researcher with more than 20 years of activity at the Center of studies for Space (CISAS) “G.Colombo” of the University of Padua and an assistant professor at the Department of Industrial Engineering. He is expert in space sensor development (from designing to realisation to testing) and in planetary atmospheric data analysis. He was the Lead Col for the MarsTem temperature sensor for the Exomars2016 mission and was involved in testing campaigns conducted in Mars like environment, both in laboratory (Aarhus -DK ) and on site (Ibn Battuta - Moroccan desert).

He is expert in analysis of data for planetary probe trajectory reconstruction; he is also expert in space tether modelling and in the analysis of the dynamics of the system; EU projects: Bets and ETPack, and now is a team member of the ETPACK-F, EU funded project for the realization of a flight model of the Electrodynamic system.

He was a member of the research group of more than 10 international and national projects, of which one FP7 (BETs) and one H2020 (ETPack) and several projects funded by National (ASI) and European (ESA, in particular) Agencies.

He also studies the dynamics of lighter than air vehicles, both for earth and space applications.

Recently he is involved in several projects aiming on earth environment analysis using UAVs and tethered balloons for the analysis of pollution due to different sources (artificial light, air and soil pollution).