Session Program

12-17 Oct 2025

EDHPC 2025 - 2nd European Data Handling & Data Processing Conference

AI for FDIR & Autonomous Operation

Wednesday 15 October

10:50

AI for FDIR & Autonomous Operation
Session | **Convener:** Eleonora Mariotti

10:50–11:10   **AI-FDIR**

11:10–11:30

Advanced Satellite Avionics Health Monitoring and Failure Identification using Machine Learning

11:30–11:50

Enhanced Reliability and Autonomy for Satellite Operations Through on-Ground AI-Driven Predictive Maintenance of Control Moment Gyroscopes

11:50–12:10

Deploying AI-based Spacecraft Telemetry Anomaly Detection on an Adaptive System-on-Chip Solution

Speaker
Andrew Mccormick

12:10

10:50