



7th INTERNATIONAL SPACE RADIO MONITORING MEETING



1 - 3
SEPTEMBER 2026



BUCHAREST
ROMANIA



Name & Organisation

Radim Badsj, Groundspace

Presentation title

Detection and Localisation of Unauthorised NGSO User Terminals

Abstract

The rapid deployment of NGSO constellations presents a growing challenge for national spectrum regulators: detecting and locating terminals operating where either their use or the provision of service by the constellation is not authorised. WHISPR addresses this challenge by detecting sidelobe emissions from terminal uplinks, enabling active terminals to be identified without cooperation from the user or network operator. By combining RF sensing, signal classification and direction finding, WHISPR can identify NGSO terminal activity and determine its direction, while measurements from multiple sensors can be combined to locate the transmitting terminal.

Short bio

After working in the traditional satellite industry, developing mission support systems and contributing to ground segment design, Radim Badsj saw the emergence of large satellite constellations bringing a new set of challenges, particularly around spectrum management, coordination and monitoring. Seven years ago, this shift led him to co-found Groundspace, which he leads as CEO, developing technologies for an increasingly complex and dynamic space environment.