

UNIVERSITY OF TRENTO

Autonomous VTOL for Avalanche Buried Searching Avionics

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Outline

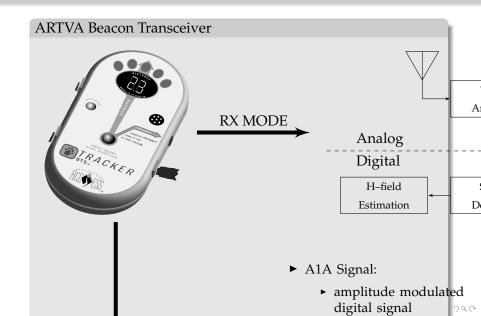
Introduction to Mountain Rescue

Design of a Digital ARTVA

Drone Avionics

Simulations

ARTVA Beacons Overview



State of the Art

Projects

- ► SHERPA: Universitá di Bologna
- ▶ Universitá di Torino
- Project Alcedo Eidgenössische Technische Hochschule Zürich

Digital searching algorithms

- ► H–Field Lobe Following and pinpointing
- ▶ Fast identification with SLAM and sum of Gaussian

H-Field in Transmission

Field Complexity

Introduction to Mountain Rescue

Questions?

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