Collaborative Opportunistic Navigation
Zak (Zaher) Kassas and Todd Humphreys

THE PROBLEM
GNSS signals are insufficient for anytime, anywhere navigation, particularly in deep urban canyons, indoors, and environments experiencing intentional jamming, as they attenuate ~ 30–50 dB.

COPNAV SYSTEM OVERVIEW

SIMULATION RESULTS: OBSERVABILITY
Environment with 1 fully-know SOP and 1 partially-known SOP

THEORETICAL RESULTS: OBSERVABILITY

References