

## Institute of Communications and Navigation

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**Deutsches Zentrum  
für Luft- und Raumfahrt**  
German Aerospace Center

**Research Topics:**

Propagation measurements and channel modeling for

- satellite navigation (land mobile, urban, suburban, rural,  
satellite-to-indoor, satellite-to-aircraft)

- aeronautical communications and ranging

(air-to-ground, air-to-air)

- maritime communications (ship-to-ship, ship-to-shore)

- vehicular communications (car-to-X, train-to-train)

- mobile radio based ranging

**Comments :**