European Association on Antennas and Propagation

University of Aveiro
Radio Systems Group

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http://radiosystems.av.it.pt/

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Research Topics:
Mobile communications:

- MIMO channel modelling
- Bidirectional wireless propagation channel measurements

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Instituto Superior Técnico - Universidade de Lisboa
Instituto de Telecomunicações

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Research Topics:
Propagation and channel models for:

- cellular networks (outdoor,indoor)
- milimeter wave and THz communications
- vehicle-to-X communications
- navigation
- satellite links
- railway communications

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Research Topics:
Channel modelling
Path loss modelling
Fading modelling
Time dispersion modelling
Cellular systems
Body Area Networks
Spectrum sharing
Heterogeneous networks

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Research Topics:
Radio channel propagation modelling in vegetation media
RF measurement systems and channel sounder topologies
RF transparency control of building wall structures
Ray tracing based models for doubly selective radio channels
Radio system design at micro- and millimetre wave
Novel Antenna Beam Steering based on metamaterials and frequency selective surfaces for Wireless Applications