

National Technical University of Athens  
School of Electrical and Computer Engineering  
Mobile Radio Communications Laboratory



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**Research Topics:**

Propagation and channel models for:

- cellular networks (outdoor, indoor)
- millimeter wave (fixed and mobile) communication
- vehicle-to-X communications
- backhaul mobile networks
- tropospheric terrestrial propagation
- vegetation
- multi-antenna systems (MIMO) operating at various frequencies

Dynamic Channel Model Synthesizers

Propagation Measurements

Meteorological factors affecting radiowave propagation

**Comments:**

Regular Contributions to ITU-R Study Group 3 Radiowave Propagation



National Technical University of Athens  
School of Electrical and Computer Engineering  
Wireless and Long Distance Communications Laboratory

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**Research Topics:**

Propagation and channel models for:

- cellular networks (outdoor, indoor)
- millimeter wave communications

University of Piraeus  
School of ICT  
Dept. of Digital Systems  
Telecommunication Systems Laboratory  
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**Research Topics:**

Propagation and channel models for:

- cellular networks (outdoor, indoor)
- fixed-wireless systems

Channel measurements and characterization for:

- MIMO systems

Aristotle University of Thessaloniki  
Department of Electrical and Computer  
Engineering  
Telecommunications Laboratory  
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**Research Topics:**

Computational techniques for EM wave propagation

- Mobile communications (urban and indoor)
- Semi-deterministic propagation models

Indoor channel measurements

Analytical techniques for scattering

Tropospheric and ionospheric channel modeling

Antenna design for broadband and MIMO communications



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Radiocommunications Laboratory  
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**Research Topics:**

EM radiation from base stations

non - ionizing dosimetry

Wireless and Mobile Communications Lab  
Department of Informatics and  
Telecommunications  
University of Peloponnese



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**Research Topics:**

Propagation and channel models for:

- cellular networks (outdoor, indoor)

Empirical - statistical - deterministic modeling with Ray Tracing

Hybrid propagation modelling

Spatio-temporal propagation analysis

Propagation Measurements



European Association on Antennas and Propagation

University of Patras  
Department of Electrical and Computer  
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Wireless Telecommunication Laboratory  
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**Research Topics:**

Channel Models for cellular communications

Democritus University of Thrace  
Department of Electrical and Computer Engineering  
Microwaves Lab.



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**Research Topics:**

Propagation and channel models for:

- cellular networks (outdoor, indoor)
- millimeter wave communication





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Wireless Communications Laboratory  
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**Research Topics:**

Propagation and channel models for:

- cellular networks



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**Research Topics:**

Radio Channel Measurements and Modeling  
Scattering and wave propagation



European Association on Antennas and Propagation

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**Research Topics:**

Propagation and channel models for:

- cellular networks (outdoor, indoor)
- millimeter wave communications
- relays and sensor networks
- device-to-device communications
- cooperative, MIMO and beamforming techniques