



European Association on Antennas and Propagation

Wireless Communications Group



Université libre de Bruxelles



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**Research Topics:**

Channel modeling

Body Area Networks

EMF exposure

Statistical electromagnetics

Wireless & Cable WiCa

**Wireless  
& Cable**  
*research group*

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**Research Topics:**

channel modelling

in-, on-, in-to-out and off-body communication

industrial wireless channels

dense multipath

room electromagnetics

Wireless Body Area Networks WBAN

UWB propagation

network planning: energy efficiency and low exposure

propagation prediction tools



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ICTEAM

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**Research Topics:**

Radio channel characterization and modeling

Channel sounding (including MIMO)

Ray-tracing

Body-centric propagation

Vehicular channels

TELEMIC



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**Research Topics:**

Channel measurements (indoor and outdoor)

Modeling of scenarios with moving objects

Exposure measurements and computations

Numerical electromagnetics for very large objects

Rough and random surfaces modeling

Inverse electromagnetic problems

GPR (Ground Penetrating Radars)

Radar systems (maritime and aeronautical)

3D channel modeling (indoor and outdoor)

DOA simulations and measurements

Radio environment maps

Spectrum sensing for SDR

**Comments : Extra's**

BPL simulations and measurements

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**Research Topics:**

Active wearable antennas

Flexible, conformable and implantable antennas

Body-centric communication

Numerical Electromagnetics

Electromagnetic Compatibility

Signal and Power Integrity