

Laboratoire d'Electronique et
Electromagnétisme
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Research Topics:

Propagation for BAN

Mm wave propagation

HF propagation

Laboratoire d'Electronique, SYstèmes de
Communications et Microsystèmes
Université Paris-Est Marne-la-Vallée - Cité
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Web page:

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Research Topics:

Simulation of Propagation channels by deterministic methods
Radio channel measurements for BAN, LTE and sensor networks
UHF RFID: Localization and singulation issues

Comments :

Laboratory splits into 3 groups

1/ Electromagnetism, applications and measurements

2/ Sensors and microsystems for measurements

3/ Communication systems

Other topics related to 1/

Tag designs for RFID

Numerical modelling for Electromagnetics(FDTD, FEM)

Antenna design from 13.56 MHz to 60 GHz

Energy harvesting

New architectures of RF front ends

Modelling of chaotic reverberation chambers

RF and Microwaves Group

Telecom ParisTech/Comelec, 46 rue Barrault,
75634 Paris cedex 13, France



Web page:

<http://www.comelec.telecom-paristech.fr/en/rfm-rf-microwaves-group.htm>

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Research Topics:

Statistical radio channel modeling

Propagation aspects of indoor wireless systems

Propagation for BAN and RFID

Comments :

Specialization in joint antenna-channel statistical modeling



European Association on Antennas and Propagation

Télécommunication, Interférences et
Compatibilité Electromagnétique
USTL - TELICE, Bâtiment P3, F-59655,
Villeneuve d'Ascq, France

The logo for TELICE, featuring the word "TELICE" in a bold, blue, sans-serif font. The letter "T" is significantly larger and more prominent than the other letters, which are of uniform size.

Web page:

<http://telice.univ-lille1.fr/>

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Research Topics:

Radio channel measurements

Radio channel parameter estimation

Radio channel modeling

Propagation for MIMO systems



DGA Maîtrise de l'information



DGA Maîtrise de l'information, BP 5 7419 –
35174 Bruz Cedex, France

Web page:

<http://www.defense.gouv.fr/dga/innovation2/recherche-technologie>

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Research Topics:

Propagation for terrestrial military communications
systems



IETR UMR CNRS 6164

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Research Topics:

MIMO and UWB channel sounding

MIMO and UWB channel modelling and characterization

Diversity techniques

Time reversal

Comments :

Applications for different wireless networks

(WMAN, WLAN, WPAN, WBAN)

and different frequency bands (up to 60 GHz)

SIRADEL

SIRADEL SAS

3, allée Adolphe Bobierre, CS 24343, 35043 RENNES cedex France

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Research Topics:

Radio channel modelling and simulation

Interference mitigation technique modelling

Mesh network

Self Organizing network

Channel sounding and RF measurements



CSTB

Adresse : 24 rue Josphe Fourier 38400 saint Martin d'Hères

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www.cstb.fr

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Research Topics:

Radio propagation modelling and simulation

Electromagnetic field measurements

Measurement methods for building and material electromagnetic characteristics

SILICOM

15 boulevard des chenes, 78284 GUYANCOURT, France



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<http://www.silicom.biz/fr>

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Research Topics:

Deterministic simulation tools for wireless communications propagation



European Association on Antennas and Propagation

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Écoles de Saint-Cyr Coëtquidan - 56381 GUER
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Research Topics:

HF Propagation

Propagation for MIMO systems

Deterministic propagation channel modelling

(indoor, outdoor, WBAN,...)

Meteorological models and RF propagation



Telecom Bretagne

Web page:

<http://departements.telecom-bretagne.eu/mo/>

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Research Topics:

MIMO channel sounding

Space time channel modelling

Radio planning

RF underwater and oversea communication

Wind Turbine influence

BAN

HF channel modeling



XLIM

Web page:

www.xlim.fr

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Research Topics:

dynamic MIMO radio channel modelling and simulation in complex environments

deterministic and hybrid radio propagation modelling

radio channel characterization

radio channel sounding

radio channel emulation in controlled environment

On The Air techniques

mesh and ad'hoc networks applications (WSN, VANETS,...)



CITI

Laboratoire CITI, INSA Lyon , INRIA, Batiment Claude Chappe,
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Research Topics:

wireless networks modeling and simulation

Indoor radio propagation modeling

Body area networks

multi-antennas systems

cognitive radio / software radio

Comments :

CITI Laboratory develops research activities

bringing together computer science,

networking, and digital communications

to address the challenging issues related

to the development of Internet of Things.

This world scale network offers a seamless

communication path between heterogeneous

nodes (persons, objects, sensors, phones,...)

in an heterogeneous architecture including wireless access,

offering mobility, ubiquity and adaptability.

ONERA
The French Aerospace Lab



Centre de Toulouse
2 avenue Edouard Belin, BP 74025
31055 Toulouse CEDEX 4, France

Web page:

<http://www.onera.fr>

Contact: Dr Laurent CASTANET, Head of Radio-Communication and Propagation research unit (RCP), Electromagnetics & Radar department

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Research Topics:

Propagation for Satcom, GNSS, UAVs, terrestrial coms, radars, electronic warfare

Propagation experiments, propagation modelling, propagation effect mitigation

- Ionospheric propagation for GNSS and satellite links: frequencies < 5 GHz, from HF to C bands

- **Mobile propagation for Satcom and GNSS: centimetric frequencies, from UHF to Ka bands**

- Tropospheric propagation for Satcoms, Earth observation data downlinks, atmosphere remote sensing: high frequencies, from C to W bands

- **Terrestrial and low-altitude propagation for fixed and mobile telecommunications (and radar): all frequencies, from LF to V bands**

- Optical propagation for Satcoms, UAV and terrestrial links (Optical department: DOTA)

Comments :