

# IEEE CASS FRANCE CHAPTER AND GDR SOC2 WORKSHOP on Environmental impact of RF 5G communications and IoT growth : Towards Green Technologies

## CALL FOR PARTICIPATION

November 15<sup>th</sup>, 2017

University of Bordeaux, France



During the last two decades, the number of electrical and electronic equipment has grown exponentially, especially smartphones and tablets. Such a trend is expected to continue to a similar extent over the next decade with IoT and 5G. Watching videos, follow the news and (besides that) make phone calls, became very usual for billions of people.

So what is the environmental bill of the crazy number of communications and electronic devices?

The objective of this workshop is to define some guidelines for green electronic devices: biocompatible materials, energy harvesting and solutions to decrease transmitters power consumption. The main goal is to determine new energy-efficient and environmentally friendly transmitters systems.

The workshop (free of charge) includes :

- An invited IEEE CAS DL: "Adapted Compressed Sensing for IoT Applications", Prof R. Rovatti, *University of Bologna*,
- An invited keynote: "Communications environmental cost", JM Pierson, CNRS Researcher, *IRIT, Toulouse*,
- A technical session.

Registration and abstract submission (not more than two pages) in pdf format at: [nathalie.deltimple@ims-bordeaux.fr](mailto:nathalie.deltimple@ims-bordeaux.fr). Following the session, an award will be given for the best paper workshop.

The workshop is included in the **BEE Week 2017** (IEEE BEE Branch event). More information: see [ieee-bordeaux.org](http://ieee-bordeaux.org)



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### Organizers

Dr Nathalie Deltimple, *IMS Laboratory*  
Pr. Patricia Desgreys, *Telecom Paris Tech*

### Important Dates

Abstract submission deadline:

9th October 2017

Notification of acceptance:

15th October 2017

