🔍 Matthieu Gautier

Présentation

I am a full professor in **IUT of Lannion** and a researcher in Granit Team of **IRISA** (Institut de Recherche en Informatique et Systèmes Aléatoires).

Parcours

- French Habilitation à Diriger des Recherche (HDR) in may 2019.
- Since November 2011, I am a associate professor then a full professor at the University of Rennes
- From October 2009 to October 2011, I was a research engineer at the **CEA-LETI** laboratory.
- From June 2008 to September 2009, I was a post-doctoral researcher at the CITI laboratory and a member of the **INRIA**-ARES team.
- From September 2006 to March 2008, I was a post-doctoral researcher at Orange labs.
- I graduated with a Ph.D. degree from the INPG Grenoble in april 2006
- I hold a M.Sc. degree in Signal and Image Processing from the University of Cergy-Pontoise and a Electrical Engineering degree from the ENSEA both in 2001.

Activités de recherche

My research interests are in the two complementary fields of

- **embedded systems** and
- **digital communications** for **energy-efficient wireless systems**

in **signal processing techniques** and **hardware architectures.**

It includes works on protocol definitions, energy management algorithms and hardware architecture designs for wireless sensors networks.

Others works concern the fast prototyping on FPGA-based architectures and Software Defined Radio (SDR) for **applications in cyber-security**.

Mon apport au sein du projet RIS3

My research and teaching topics are closely related to the RIS3 project.

My research aims to reduce the energy consumption of communicating embedded systems.

Regarding teaching, I provide courses in telecommunications across all three years of the BUT R&T program. I also teach connected objects in the BUT MP program and at ENSSAT.

In the RIS3 project, I am **in charge of Action 2,** whose objective is to "**Better train students in bachelor's degrees and BUT**". Notably, we have created a two-year program to better prepare IUT students for their integration into engineering schools.

Publications

See **https://people.irisa.fr/Matthieu.Gautier/publications/**