

## Etienne PERRET, Ph.D.

Full Professor, Electrical Engineering

IEEE Senior Member

Date of birth: October 30, 1979.

Nationality: French, Two children

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### Professional experience

Current Position: Full Professor in Electrical Engineering with *Grenoble INP Esisar / LCIS* lab, France.

2014-2019: Member of the “*Institut universitaire de France*” (IUF)

2006-2022: Associate Professor in Electrical Engineering with *Grenoble INP Esisar / LCIS* lab, France.

2005-2006: CNRS Post-doctoral fellowship at the *Institute of Fundamental Electronics* (IEF), Paris-XI University, France.

2002-2005: Research Associate at the “*Laboratoire d’Electronique de l’ENSEEIHT*” and Lecturer at the *ENSEEIHT*.

### Education

- 2013: HDR (Habilitation à Diriger des Recherches), *Université de Grenoble*.

- 2005: Ph.D. with distinction in Electrical Engineering, *Toulouse Institute of Technology* (INPT), France

- 2002: DEA with highest honor in Electrical Engineering, *Toulouse Institute of Technology* INPT, France, class valedictorian.

- 2002: Eng. Dipl. in Electrical Engineering, *ENSEEIHT*, Toulouse, France.

### Professional recognition, awards, distinctions

- [Grand Prix de l’Electronique Général Ferrié](#) 2021

- [Prix Espoir IMT – Académie des sciences 2020](#). Annual prize for outstanding scientific contributions at European level. This prize is awarded to a scientist who has contributed through a major innovation to the advancement of issues arising from the industrial or business world, in the service of a sustainable economy.

- [IEEE MTT-S 2019](#) Outstanding Young Engineer Award for outstanding early career contributions to chipless RF identification of objects in an unknown environment. (International award). Recognizes an outstanding young MTT-S Member, who has distinguished him through achievement(s). Second French to obtain this price.

- [ERC Consolidate Grant](#) holder (2017) project ScattererID (2 million-euro project, 5 years). This grant is given to researchers who have demonstrated the ground-breaking nature, ambition and feasibility of their scientific proposal. This reward is highly selective and in Europe, it is one of the highest recognition of excellence boosting the career of a scientist.

- [SEE/IEEE Leon Brillouin Award](#) (2016) “for his outstanding achievement in the identification of an object in an unknown environment using a chipless label or tag”.

- “Institut Universitaire de France” Member ([IUF](#)) 2014. IUF distinguishes a very small number of university professors (around 2%) for their research excellence, as evidenced by their international recognition.

- [MIT Technology Review’s French innovator under 35](#) (2013). Innovation award for a “work that is likely to be influential for a very long time”. This award recognizes the work of Etienne Perret on Chipless RFID technology.

- [Prix des Techniques Innovantes pour l’Environnement \(Pollutec Innovation Awards\)](#) (2013).

### Summary of administrative and collective responsibilities

- Since 2019: Head of the Embedded systems Department at Grenoble INP – Esisar " ([EIS](#)): Two Engineering Degree, around 160 students and 70 apprentices spread over 3 years.

- 2017-2022: In charge of management of Grenoble INP – LCIS - Member of the Board of the Lab (80 people).

- 2016-2019: Member of the Board of the Federation on Micro Nano Technologies *FMNT, FR CNRS 2542*

- 2015-2022: Head of the RF group of the LCIS ([ORSYS](#) - 20 people).

- 2015- 2019: Appointed member of the National Council of Universities ([CNU](#)) | section 63 - Electronics, optronics and systems. The CNU is the national authority in charge of recruiting academics and following up their careers.

- 2010 - 2016: Founding member and Member of the Board of the Grenoble INP - [Esynov](#) technology platform.

- 2008-2019: Head of a Master Degree Grenoble INP – Esisar entitled "Electronics of Embedded Systems" ([ESE](#)).

### Summary of Research Activities

Etienne Perret research interests are in the field of wireless communications, especially radio frequency identification (RFID). He has done pioneering contributions to the field of chipless RFID. He has participated in more than twenty research projects.

- Scientific literature: 11 books / book chapter, 25 invited papers, 73 International journals, 89 international conferences, 49 national conferences, 12 Workshops and 6 Patents. More than 4200 citations, h-index: 30 (Google Scholar).

- Committee member, and evaluation panel member of Ph.D. defences in France (12), abroad (4), HDR (2) | TPC Member of International Conferences (26) | Chairman session (18) | Invited speaker or keynote talk (10) | local comity member (2)

- Supervision of graduate students: Ph.D. Students: 15 (currently 2 in progress) | Master students: 22.

### Valorization of research - Transfer of technology

Perret’s transfer activities began in 2010 with the PassDor project and with the Grenoble technology transfer organization. These activities have been amplified in 2014 with the Pass2Dor Project and with the creation of a Startup IDYLLIC TECHNOLOGY (2018). Perret’s transfer activities concern the development of chipless RFID technology.

### Science and technology information and popularization

Fête de la science, Valence (2014-2017, 2022) / [MIDI MINATEC](#) guest speaker / Articles published in local newspapers or websites to promote research activities around RF barcodes / participations in local radio broadcasts. Participation in public debates.