



# Frédéric PASCAL

*Professor, Coordinator of AI activities@CentraleSupélec*

## Short Bio

Frédéric Pascal received the Master's degree in Applied Statistics (University Paris-Jussieu, 2003), the Ph.D. degree of Signal Processing (University Paris-Nanterre, 2006), and the Research Directorship Habilitation (HDR) thesis in Signal Processing (University Paris-Sud, 2012). From Jan. 2014, Frederic Pascal is a **full Professor** in the L2S laboratory at CentraleSupélec, University Paris-Saclay. He is also the **coordinator of Artificial Intelligence and Data Science** activities at CentraleSupélec. His research interests contain estimation, detection and classification for statistical signal processing and applications. He is the author/coauthor of more than one hundred papers in the top journals and conferences in **Signal Processing, Image Processing and Statistics/Machine Learning**.

## Previous Positions

- 2012–2014 **Visiting Associate Professor**, (*French MinDef grant*), Department of Electrical and Computer Engineering, NUS, Singapore.
- 2008–2013 **Assistant/Associate Professor**, SONDRALab, Supélec, France.
- 2008–2013 **Post-doctoral fellowship**, SATIE lab, ENS Cachan, France.

## Supervision of Graduate Students / PostDocs

2007–present 3 Post-docs, 13 PhD students, 5 Master students

## Institutional Responsibilities

- Since 2019 **Coordinator of AI activities**, *CentraleSupélec*.
- Since 2018 **PI for CentraleSupélec**, *MARGARITA project (ANR/ASTRID)*.
- Since 2017 **Chair Holder**, *GIVAUDAN Chair in Data Science*, CentraleSupélec.
- Since 2017 **Program coordinator**, *DATAIA institute*.  
DATAIA is the first French institute on Data Science, Artificial Intelligence and Society:  
<http://dataia.eu/>
- 2017–2019 **Head of the Signals and Statistics group**, *L2S, CentraleSupélec*.  
Member of the L2S executive committee
- 2015–2017 **Head**, *S<sup>3</sup> seminar*, <http://www.lss.supelec.fr/scube/>.
- 2015–2017 **Elected member**, *L2S laboratory council*.

## Commissions of Trust

- Since 2019 **Vice-Chair**, *Data Science Initiative*, IEEE Signal Processing Society.

*CentraleSupélec, CNRS, Université Paris-Saclay – Gif-sur-Yvette – France*

☎ +33 663943843 • 📞 +33 169851728

✉ [frederic.pascal@centralesupelec.fr](mailto:frederic.pascal@centralesupelec.fr)

🌐 <https://fredericpascal.blogspot.com/p/home.html> • **in** [frederic-pascal](#)

🐦 [fred\\_pascal](#)

- Since 2018 **Associate Editor**, *Elsevier Signal Processing*.
- Since 2018 **Associate Editor**, *EURASIP Journal on Advances in Signal Processing*.
- 2015–2018 **Associate Editor**, *IEEE Transactions on Signal Processing*.
- 2015–2017 **Chair**, *Theoretical and Methodological Trends in Signal Processing (TMTSP) Technical Area Committee (TAC)*, EURASIP (19 members from 11 countries).
- Since 2014 **Elected Member**, *IEEE SAM Technical Committee*.
- Since 2004 **Journal Reviewer**, *JMVA, IEEE T-SP, IEEE SP Letters, IEEE T-IT, IEEE J-STSP, Elsevier Signal Processing, IEEE T-GRS, IEEE GRS Letters, IEEE T-AES, CSDA*.
- Since 2004 **Reviewer**, *ICASSP, EUSIPCO, IEEE SSP workshop, IEEE SAM workshop, IEEE CAMSAP, GRETSI...*

## Memberships of Scientific Societies

- IEEE Senior member since July 2014
- Member of EURASIP society and of GDR ISIS
- Member of the board of directors of GRETSI

## Teaching activities

- Today **Responsible of 2 Master level courses**, “*Advanced Statistics*” and “*Advanced Machine Learning*”, CentraleSupélec, University Paris-Saclay, France.
- Since 2008 **Assistant/Full Professor**, *Probability, Statistics and Machine Learning courses*, CentraleSupélec, France, 100hrs/yr.
- June 2017 **1-week course**, “*Estimation and Statistical Detection Theory*”, Master/Phd students level, Aalto University, Finland.
- Sept. 2016 **1-day course**, “*Robust estimation, Random Matrix Theory and Applications to Signal Processing*”, IEEE SPS/EURASIP Summer School, Rudesheim, Germany.
- June 2014 **2-days crash course**, “*Covariance Matrix Estimation and Applications in Radar*”, for researchers / engineers / PhD students, DSO-National Laboratories, Singapore.
- 2003-2013 **Graduate Assistant**, *Mathematics, Probability, Statistics and Signal Processing*, University Paris-VII, ENSAE, ENS Cachan, University Paris-Sud, France, 64hrs/yr.

### Early achievement track record

See my homepage on <http://www.fredericpascal.blogspot.com> for recent updates of my publications and recent activities. Citations counts are based on Google Scholar:

[Google Scholar Profile](#)

[Research Gate Scholar Profile](#)

### Publications synthesis: (h-index: 25, i10-index: 51, total citations: 2,550)

- 45 peer-reviewed journal papers,
- 13 *Invited* papers in International peer-reviewed conferences,
- 2 book chapters,
- 79 papers in International peer-reviewed conferences,
- 13 papers in French peer-reviewed conferences,
- 40 Seminars / Workshops.

CentraleSupélec, CNRS, Université Paris-Saclay – Gif-sur-Yvette – France

☎ +33 663943843 • 📞 +33 169851728

✉ [frederic.pascal@centralesupelec.fr](mailto:frederic.pascal@centralesupelec.fr)

🌐 <https://fredericpascal.blogspot.com/p/home.html> • [in frederic-pascal](#)

🐦 [fred\\_pascal](#)