

**DOBIGEON Nicolas** (ORCID: 0000-0001-8127-350X)Nationality: French, web site: <https://ndobigeon.github.io/>• **CURRENT POSITION**

Professor (Exceptional Class)  
Toulouse INP, IRIT, France.

• **EDUCATION**

2012 HDR, Toulouse INP, France  
2007 Ph.D., Toulouse INP, France  
2004 M. Eng., INP-ENSEEIH, France

• **INTERNATIONAL RECOGNITION (honors, prizes)**

- Since 2012: 5 Highly Cited Papers, as of Web of Science.
- 2018/09: Finalist of the Best Student Paper Award (for M. Vono), IEEE MLSP 2018.
- 2017-2012: Junior Member, Institut Universitaire de France.
- 2017/10: Dagstuhl Seminar on “HMMi maging: Acquisition, Algorithms, and Applications.”
- 2017/03: Finalist of the Student Paper Contest (for C. Elvira), IEEE ICASSP 2017.
- 2015/12: Finalist of the Student Paper Award (for Q. Wei), IEEE CAMSAP 2015.
- 2014/10: Top 10% Paper Award, IEEE ICIP 2014.
- 2013: IEEE Senior Member.
- 2013: Best Paper Award, IEEE GRSS WHISPERS 2013.
- 2011: Best Reviewer Award, IEEE Geosci. Remote Sensing Letters.
- Since 2011: Prime d'Encadrement Doctoral et de Recherche (PEDR, ex-PES).
- 2009: Finalist of the ASTI Ph.D. Award 2009, sponsored by INRIA.

• **SUPERVISION:** 13 PhD students (+4 on-going), 3 post-docs.• **SCIENTIFIC PRODUCTION:** <https://ndobigeon.github.io/publis.html>• **5 MOST RELEVANT PAPERS (5 last years), Google Scholar Id: YPQFwDYAAAAJ, h-index: 45**

- M. Vono, N. Dobigeon and P. Chainais, "High-dimensional Gaussian sampling: a review and a unifying approach based on a stochastic proximal point algorithm," *SIAM Review*, vol. 64, no. 1, pp. 3-56, 2022.
- F. Coeurdoux, N. Dobigeon and P. Chainais, "Learning optimal transport between two empirical distributions with normalizing flows," in *Proc. European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD)*, Grenoble, France, Sept. 2022.
- M. Vono, N. Dobigeon and P. Chainais, "Asymptotically exact data augmentation: models, properties and algorithms," *Journal of Computational and Graphical Statistics*, vol. 30, no. 2, pp. 335-348, 2021.
- V. Ferraris, N. Dobigeon and M. Chabert, "Robust fusion algorithms for unsupervised change detection between multi-band optical images - A comprehensive case study," *Information Fusion*, vol. 64, pp. 293-317, Dec. 2020.
- A. Lagrange, M. Fauvel, S. May, J. M. Bioucas-Dias and N. Dobigeon, "Matrix cofactorization for joint representation learning and supervised classification - Application to hyperspectral image analysis," *Neurocomputing*, vol. 385, pp. 132-147, Apr. 2020.