

**FÉVOTTE Cédric** (ORCID: 0000-0003-3801-5534)Nationality: French, website: <https://www.irit.fr/~Cedric.Fevotte>

- **CURRENT POSITION**

Directeur de Recherche, CNRS,  
IRIT, Toulouse, France.

- **EDUCATION**

2014 HDR, Université Nice  
Sophia Antipolis, France  
2003 PhD, École Centrale de  
Nantes, France  
2000 MEng, École Centrale de  
Nantes, France

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

- Elevated to IEEE Fellow, 2022.
- IEEE Signal Processing Society Outstanding Editorial Board Member Award, 2021.
- European Research Council (ERC) Consolidator Grant, 2019.
- IEEE Signal Processing Society Best Paper Award, 2014.
- ICASSP Best Student Paper Award (co-author), 2014.
- ANR Young Researcher Grant, 2009.
- Tutorial speaker at IEEE ICASSP 2022 (the flagship conference in signal processing), keynote speaker at the IEEE Workshop on Machine Learning for Signal Processing (MLSP) in 2018.
- More than 50 invited talks in workshops, special sessions or lab seminars, in avenues such as MIT, National University of Singapore, University of Cambridge, University of Oxford, Imperial College, Queen Mary University, Dublin City University, University Pompeu Fabra, University of Genoa, Dagstuhl, Erwin Schrödinger Institute, Institut Henri Poincaré, Telefonica R&D, Xerox Research Center Europe, and more.

- **SUPERVISION:** 8 PhD students, 8 postdocs.

- **SCIENTIFIC PRODUCTION:** <https://www.irit.fr/~Cedric.Fevotte/publications.html>

- **5 MOST RELEVANT PAPERS (10 last years), Google Scholar: +11000 citations, h-index: 40**

1. A. Marmin, H. Goulart and C. Févotte. Majorization-minimization for sparse nonnegative matrix factorization with the beta-divergence. *IEEE Transactions on Signal Processing*, 2023. <https://arxiv.org/pdf/2207.06316>
2. C. Castera, J. Bolte, C. Févotte and E. Pauwels. An inertial Newton algorithm for deep learning. *Journal of Machine Learning Research*, 2021. <https://www.jmlr.org/papers/volume22/19-1024/19-1024.pdf>
3. C. Dantas, E. Soubies and C. Févotte. Expanding boundaries of Gap Safe screening. *Journal of Machine Learning Research*, 2021. <https://www.jmlr.org/papers/volume22/21-0179/21-0179.pdf>
4. P. Magron and C. Févotte. Neural content-aware collaborative filtering for cold-start music recommendation. *Data Mining and Knowledge Discovery*, 2022. <https://link.springer.com/article/10.1007/s10618-022-00859-8>
5. A. Lumberras, L. Filstroff and C. Févotte. Bayesian mean-parameterized nonnegative binary matrix factorization. *Data Mining and Knowledge Discovery*, 2020. <https://link.springer.com/article/10.1007/s10618-020-00712-w>

- **EDITORIAL ACTIVITIES**

- Senior Area Editor, IEEE Transactions on Signal Processing, 2018-2022.
- Associate Editor, IEEE Transactions on Signal Processing, 2014-2018.

- **COLLABORATIONS** (major international collaborations from the last 5 years)

National University of Singapore, University of Illinois at Urbana-Champaign, Brno University (Czech Republic), Université de Mons (Belgium).

- **TEACHING ACTIVITIES** (planned):

Music signal processing & music information retrieval (MEng ENSEEIHT).