

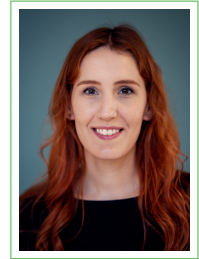
# Francieli Zanon Boito

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## Education

- 2010–2015 **Ph.D. in Computer Science**,  
*University of Grenoble Alpes (France) & Federal University of Rio Grande do Sul (Brazil)*,  
*Transversal I/O Scheduling for Parallel File Systems: from Applications to Devices*.  
Advisers: Yves Denneulin & Philippe O. A. Navaux
- 2005–2009 **Bachelor in Computer Science**,  
*Federal University of Rio Grande do Sul, Brazil*.

## Professional Experiences

- 2019– **Associate Professor**,  
*Université de Bordeaux*,  
*Laboratoire Bordelais de Recherche en Informatique (LaBRI)*,  
Bordeaux, France.  
Member of the SATANAS/Tadaam team
- 2018–2019 **Marie Skłodowska-Curie Fellow**,  
*Institut National de Recherche en Informatique et en Automatique (INRIA)*  
*DAMA project, funded by the H2020 MSCA as an Individual Fellowship*,  
Grenoble, France.  
Member of the DataMove team
- 2017–2018 **Postdoctoral Researcher**,  
*Institut National de Recherche en Informatique et en Automatique (INRIA)*,  
Grenoble, France.  
Member of the CORSE team
- 2017–2017 **Postdoctoral Researcher**,  
*PPGC — Federal University of Rio Grande do Sul*,  
Porto Alegre, Brazil.  
Member of the GPPD — Parallel and Distributed Processing Group
- 2015–2017 **Postdoctoral Researcher**,  
*PPGCC — Federal University of Santa Catarina*,  
Florianópolis, Brazil.  
Member of the LaPeSD — Laboratory for Research in Distributed Systems

- 2015–2015 **Postdoctoral Researcher**,  
*PPGC — Federal University of Rio Grande do Sul*,  
Porto Alegre, Brazil.  
Member of the GPPD — Parallel and Distributed Processing Group
- 2010–2015 **Ph.D. Researcher**,  
*Laboratory of Informatics of Grenoble (France) & Parallel and Distributed Processing Group (Brazil)*.  
Research: parallel file systems, parallel I/O, I/O scheduling, scientific applications, energy consumption
- 2005–2009 **Junior Researcher**,  
*Parallel and Distributed Processing Group*,  
Porto Alegre, Brazil.  
Research: parallel file systems and parallel I/O  
Adviser: Philippe O. A. Navaux

## Keywords

High Performance Computing, Parallel I/O, Parallel File Systems, Storage, I/O Scheduling

## Languages

Portuguese, English, and French

## Selected Publications

- 2024 A. Tarraf, A. Bandet, **F. Boito**, G. Pallez, F. Wolf. *Capturing Periodic I/O Using Frequency Techniques*. In IEEE International Parallel and Distributed Processing Symposium (IPDPS).
- 2023 **F. Boito**, G. Pallez, L. Teylo, N. Vidal. *IO-SETS: Simple and efficient approaches for I/O bandwidth management*. IEEE Transactions on Parallel and Distributed Systems.
- 2022 **F. Boito**, G. Pallez, L. Teylo. *The role of storage target allocation in applications' I/O performance with BeeGFS*. In IEEE International Conference on Cluster Computing (CLUSTER).
- 2021 J. L. Bez, R. Nou, A. Miranda, **F. Boito**, T. Cortes, P. O. A. Navaux. *Arbitration Policies for On-Demand User-Level I/O Forwarding on HPC Platforms*. In IEEE International Parallel and Distributed Processing Symposium (IPDPS).
- 2020 J. L. Bez, **F. Boito**, R. Nou, A. Miranda, T. Cortes, P. O. A. Navaux. *Adaptive Request Scheduling for the I/O Forwarding Layer using Reinforcement Learning*. Future Generation Computer Systems.
- 2019 **F. Boito**, R. Nou, L. L. Pilla, J. L. Bez, J.-F. Méhaut, T. Cortes, P. O. A. Navaux. *On server-side file access pattern matching*. In International Conference on High Performance Computing & Simulation (HPCS 2019). **Outstanding paper award**.
- 2018 **F. Boito**, E. C. Inacio, J. L. Bez, P. O. A. Navaux, M. A. R. Dantas, Y. Denneulin. *A checkpoint of research on parallel I/O for high performance computing*. ACM Computing Surveys.

2016 **F. Boito**, R. V. Kassick, P. O. A. Navaux, Y. Denneulin. *Automatic I/O Scheduling Algorithm Selection for Parallel File Systems*. *Concurrency and Computation: Practice and Experience*.