
Prof. Rodrigo Tripodi Calumby, PhD.

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Full-time professor with teaching, research, supervision, and management experience. Main expertise and research interests include databases, machine learning, data science, health and biomedical informatics, computer vision, and multimedia information fusion and retrieval.

Current Position

- Full-time Professor at Department of Exact Sciences of the University of Feira de Santana ([UEFS](#)), Brazil (since 2011)
- Head of the Advanced Data Analysis and Management Lab ([ADAM](#))
- Vice coordinator of the Master Program in Computer Science ([PGCC](#), since 2018)
- Advisor of the Computer Engineering Junior Company ([EcompJr](#)) (since 2018)
- Member of the Computer Engineering Course Steering Board ([EComp](#), since 2012)

Education

- 2015: **PhD** in Computer Science – [Institute of Computing](#), Unicamp, Brazil
- 2010: **MSc** in Computer Science – [Institute of Computing](#), Unicamp, Brazil
- 2007: **BSc** in Computer Science – DTEC, University of Santa Cruz, Brazil

Teaching Experience

- MSc in Computer Science (UEFS, 2018-current)
 - Data Science and Machine Learning
- BSc in Computer Engineering (UEFS, 2011-current)
 - Algorithms and Programming I
 - Algorithms Integrated Module (Problem-based Learning)
 - Applied Informatics: Theory and Practice
 - Databases Architectures and Performance
 - Databases: Theory and Practice
 - Data Mining
 - Full-time Internship (Coordinator)
 - Part-time Internship (Coordinator)
 - Software Engineering Integrated Module (Project-based Learning)
- MSc in Applied Computing (UEFS, 2016-2017)
 - Data Mining
 - Student Research Seminars
- BSc in Computer Engineering and Computer Science (Unicamp, 2009-2010, teaching intern)
 - Databases (Theory and Practice)
 - File Structures (Theory and Practice)

Research and Supervision

During the last years I have been working in multiple research projects on:

- Health-care Data Science (pattern recognition for birth anomalies, mental illness, and head and neck cancer)
 - Computer Vision (Plant species recognition)
 - Data Fusion, Machine Learning, and User Interaction for Information Retrieval
 - Data Warehousing and Business Intelligence
 - Machine Learning for Software Engineering
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Past Student Supervision:

- 3 Master students
- 5 Undergraduate final projects
- 20+ Undergraduate scientific projects
- 1 Undergraduate extension student
- 20+ members of the Computer Engineering Junior Company
- 3 Technical support interns in computer science laboratories

Reviewing Committees

Journals

- Computer Communication & Collaboration
- Computer Methods and Programs in Biomedicine
- Future Generation Computer Systems
- IEEE Access
- IEEE Transactions on Knowledge and Data Engineering
- IEEE Transactions on Multimedia
- Information Resources Management Journal
- Neurocomputing

Conferences

- VLDB, ACM SIGIR, and SIBGRAPI

Publications

Up-to-date lists of publications can be found at:

- [DBLP](#)
- [ACM Digital Library](#)
- [Research Gate](#)
- [Brazilian Academic Curriculum Platform](#)

Awards

- **2019:** Honorable Mention – Technical paper on the Brazilian Symposium on Informations Systems
- **2018:** Best Student Paper of the Brazilian Symposium on Multimedia and the Web
- **2017:** Honored Professor – UEFS Computer Engineering Class of 2017
- **2016:** Best Student Paper of the WTICGBASE (Brazilian Computer Society)
- **2015:** 2nd place – Best Student Paper at Undergraduate Seminar from UEFS
- **2014:**
 - MediaEval 2014 Multimedia Benchmark Distinctive Mention - Multimodal Award
 - IEEE Signal Processing Society Travel Grant Award (ICIP 2014)
- **2007:** 2nd place – University Programming Challenge. Master Level
- **2006:** 1st place – University Programming Challenge. Master Level
- **2005:** 3rd place – University Programming Challenge. Master Level

Additional Information

- Member of the accreditation committee of the Master Program in Computer Science (since 2018)
- Coordinator of the Open Technologies Extension Program (UEFS, since 2017)
- Coordinator of the Informatics Area of the Dept. of Exact Sciences (UEFS, 2015 to 2017)
- Associate Member of Brazilian Computer Society
- Event coordination
 - Open Technologies Forum (2017)
 - ERBASE Student Research Workshop (2015 and 2017)
- Participation in thesis committees (15 MSc. and 14 BSc.)