Philippe ROUSSILLE

Curriculum vitæ — March 2026

Associate Professor / Researcher, 3iL Ingénieurs (Rodez)
Associate Researcher, SIG team, IRIT – CNRS/UMR 5505

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Professional Experience

Since 2020	**Associate Professor / Researcher — 3iL Ingénieurs, Rodez campus** *Programming (Python, Java, Rust, Go, JavaScript), paradigms, software engineering, software architecture*
2019 – 2020	**Lecturer in Algorithms and Programming — EPITA, Toulouse**
2017 – 2019	**Postdoctoral Researcher — SmartOccitania Project — SIG Team, IRIT, Toulouse** *Holistic ontology alignment, machine learning for ontology matching*
2017	**Postdoctoral Researcher — ModelAGE Project — SIG Team, IRIT, Toulouse** *Simulation and prediction of age-related pathologies*
2013 – 2017	**PhD Candidate — ELIPSE Team, IRIT, Toulouse** *Thesis: Assistive text entry techniques on mobile devices for visually impaired users*

Education

2013 – 2017	**PhD in Computer Science — Université Paul Sabatier, Toulouse**
2012 – 2013	**Postgraduate Research Diploma — ENSEEIHT, Toulouse**
2009 – 2012	**Engineering Degree (honours B) — ENSIMAG Grenoble — ISI track**
2007 – 2009	**Preparatory classes PCSI/PC* — Lycée Saliège, Balma**

Scientific Publications

Preprint submitted to journal

[P1] M. Sebők, V. Kovács, M. Bánóczy, D.M. Eriksen, N. Neptune, P. Roussille. "Beyond token limits: Assessing language model performance on long text classification." *arXiv:2509.10199, 2025.* (submitted to journal)

International conferences — OAEI campaigns (TOMATO)

[CI1] P. Roussille, O. Teste. "TOMATO: results of the 2024 OAEI evaluation campaign." *OM 2024, ISWC 2024, Baltimore, CEUR Vol. 3897, pp. 146–155, 2024.*

[CI2] P. Roussille, O. Teste. "TOMATO : results of the 2023 OAEI evaluation campaign." *OM 2023, ISWC 2023, Athènes, CEUR Vol. 3591, pp. 191–199, 2023.*

[CI3] P. Roussille, O. Teste. "TOMATO : results of the 2022 OAEI evaluation campaign." *OM 2022, ISWC 2022, Hangzhou, CEUR Vol. 3324, 2022.*

International conferences — Ontology matching (postdoc)

[CI4] P. Roussille, I. Megdiche Bousarsar, O. Teste, C. Trojahn dos Santos. "Holontology: Results of the 2018 OAEI evaluation campaign." *OM 2018, ISWC 2018, Monterey, 2018.*

[CI5] P. Roussille, I. Megdiche, O. Teste, C. Trojahn. "Boosting holistic ontology matching: Generating graph clique-based relaxed reference alignments for holistic evaluation." *EKAW 2018, Nancy. CORE-B, 2018.*

International conferences — HCI & accessibility

[CI6] M. Raynal, P. Roussille. "Use of DUCK keyboard for a daily use." *ICCHP 2018, Linz, pp. 399–406, 2018.*

[CI7] W. Raynaut, J. Aligon, P. Roussille, C. Soulé-Dupuy, N. Vallès-Parlangeau. "Towards a meta-analysis-based user assistant for analysis processes." *CSIT 2017, Erevan, pp. 63–66, 2017.*

[CI8] P. Roussille, M. Raynal. "LOVIE: A word list optimized for visually impaired users on smartphones." *UAHCI 2016, HCI International, Toronto, pp. 185–197, 2016.*

[CI9] P. Roussille, M. Raynal. "SWIFT: A short word solution for fast typing." *ICCHP 2016, Linz, pp. 464–471. CORE-C, 2016.*

[CI10] P. Roussille, M. Raynal, C. Jouffrais. "DUCK: A deductive soft keyboard for visually impaired users." *IHM 2015, Toulouse, pp. 1–8, 2015.*

[CI11]   P. Roussille, M. Raynal, S. Kammoun, E. Dubois, C. Jouffrais. "DUCK: A deductive keyboard."
MOBACC@CHI 2013, Paris, 2013.

Journal articles
[R1]   P. Roussille. "Non-visual selection for word lists." *AMSE JOURNALS–AMSE IFRATH Publication, vol.
77(2), pp. 155–168, 2016.*

Doctoral thesis
[T1]   P. Roussille. "Techniques d'assistance à la saisie de texte sur périphériques mobiles dans le cas de la
déficience visuelle." *Université Paul Sabatier, Toulouse, 2017.*

Skills
Languages and tools

- Languages: Python, Java, Rust, Go, JavaScript, F#, SQL, C/C++
- Paradigms: OO, functional, concurrent, microservices, REST API
- Tools: Git, Docker, TDD, CI/CD, UML

Teaching

- Algorithms, OO programming (Java), functional programming, Rust, Go, Node.js
- Software architecture, software engineering, DevOps, containerization
- Algorithms and Python in preparatory classes

Languages

French (native) • Bilingual English (TOEFL, PET, Home Language International) • Spanish (Home Language
International)

Miscellaneous

RQTH disability status (motor disorder — deep brain stimulation since January 2025) • Driving licence & vehicle