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Publication List

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Refereed Journals

- Aubert, C.** (2023b). “The Correctness of Concurrency in (Reversible) Concurrent Calculi”. In: *Journal of Logical and Algebraic Methods in Programming*, p. 100924. ISSN: 2352-2208. DOI: 10.1016/j.jlamp.2023.100924. hal: hal-03950347.
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- Aubert, C.** and Marc Bagnol (2018). “Unification and Logarithmic Space”. In: *Logical Methods in Computer Science* 14.3. DOI: 10.23638/LMCS-14(3:6)2018.
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- Aubert, C.** and Thomas Seiller (2016a). “Characterizing co-NL by a group action”. In: *Mathematical Structures in Computer Science* 26 (04), pp. 606–638. ISSN: 1469-8072. DOI: 10.1017/S0960129514000267.
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- Aubert, C.**, E Andrew Balas, Tiffany Townsend, Noah Sleeper, and CJ Tran (2022). “Data Integration for the Study of Outstanding Productivity in Biomedical Research”. In: *International Conference on Current Research Information Systems (CRIS 2022)*. Vol. 211. Procedia Computer Science. Elsevier, pp. 196–200. DOI: 10.1016/j.procs.2022.10.191.
- Aubert, C.**, Ross Horne, and Christian Johansen (2022b). “Diamonds for Security: A Non-Interleaving Operational Semantics for the Applied Pi-Calculus”. In: *Concurrency Theory (CONCUR 2022)*. Vol. 243. LIPICS. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 30:1–30:26. DOI: 10.4230/LIPIcs.CONCUR.2022.30.
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Workshops With Published Proceedings

- Aubert, C.**, Ross Horne, and Christian Johansen (2022a). “Bisimulations Respecting Duration and Causality for the Non-interleaving Applied π -Calculus”. In: *Expressiveness in Concurrency and Structural Operational Semantics (EXPRESS / SOS 2022)*. Vol. 368. EPTCS. Open Publishing Association, pp. 3–22. DOI: 10.4204/EPTCS.368.1.
- Aubert, C.** and Daniele Varacca (2021). “Processes, Systems & Tests: Defining Contextual Equivalences”. In: *Interaction and Concurrency Experience (ICE 2021)*. Vol. 347. EPTCS. Open Publishing Association, pp. 1–21. DOI: 10.4204/EPTCS.347.1.
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Software

- Aubert, C.**, Thomas Rubiano, Neea Rusch, and Thomas Seiller (2023d). *pymwp: MWP analysis in Python*. Version 0.4.2. URL: <https://github.com/statycc/pymwp/>.
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- Sleeper, Noah** and **C. Aubert** (2022). *Data Integration for the Study of Outstanding Productivity in Biomedical Research*. Version 1.0.0. URL: <https://github.com/popbr/data-integration>.
- Aubert, C.**, Thomas Rubiano, Neea Rusch, and Thomas Seiller (2021). *LQICM On C Toy Parser*. Version 3.0.0. URL: https://github.com/statycc/LQICM_On_C_Toy_Parser.

Theses

- Aubert, C.** (2013). “Linear Logic and Sub-polynomial Classes of Complexity”. PhD thesis. Université Paris 13–Sorbonne Paris Cité. 182 pp. hal: /[te1-00957653](https://hal.archives-ouvertes.fr/te1-00957653). Supervisors: Stefano Guerrini, Virgile Mogbil (UMR CNRS 7030 — Paris 13).
- Aubert, C.** (2010). “Réseaux de preuves booléens sous-logarithmiques”. MA thesis. LIPN: LMFI, Paris VII. 29 pp. Supervisors: Virgile Mogbil, Paulin Jacobé de Naurois (UMR CNRS 7030 — Paris 13).
- Aubert, C.** (2009). “L’élimination des coupures dans la Logique des Domaines Constants”. MA thesis. Paris 1. 29 pp. Supervisor: Jean-Baptiste Joinet (UMR CNRS 7126 — Paris 7).

Research Report

- Aubert, C.** (2020). *Quelle est la notion correcte de congruence structurelle pour une algèbre de processus?* Research Report. hal: /[ha1-02981196](https://hal.archives-ouvertes.fr/ha1-02981196).
- Aubert, C.** (2019). *Categories for Me, and You?* Research Report. hal: /[ha1-02308858](https://hal.archives-ouvertes.fr/ha1-02308858).
- Aubert, C.,** Marc Bagnol, and Thomas Seiller (2015). *Memoization for Unary Logic Programming: Characterizing Ptime.* Research Report RR-8796. INRIA. 28 pp. arXiv: 1501.05104 [cs.LG].