

Bicategories of automata, automata in bicategories

Boccali, Guido; **Laretto, Andrea**; **Loregian, Fosco**; Luneia, Stefano 6th International Conference on Applied Category Theory, ACT 2023, Hybrid, College Park, 31 July 2023 - 4 August 2023 2023 / p. 1-19 <https://doi.org/10.4204/EPTCS.397.1> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Canonical gradings of monads

Breuvart, Flavien; McDermott, Dylan; **Uustalu, Tarmo** Proceedings of the 5th Annual International Applied Category Theory Conference (ACT 2022), Glasgow, United Kingdom, 18-22 July 2022 2023 / p. 1-21 <https://doi.org/10.4204/eptcs.380.1> https://msp.cis.strath.ac.uk/act2022/papers/ACT2022_paper_4328.pdf [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A Categorical semantics for bounded Petri Nets

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Categorical semantics for functional reactive programming with temporal recursion and corecursion

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Coinductive big-step semantics for concurrency

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Collages of string diagrams

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Cornering optics

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Duality of lattices associated to left and right quotients

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Open diagrams via Coend calculus

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