

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

Genovese, Fabrizio; **Loregian, Fosco**; Palombi, Daniele Proceedings of the 4th Annual International Applied Category Theory Conference 2021 [ACT 2021]: Cambridge, United Kingdom, 12-16 July 2021 2021 / 15 p <https://doi.org/10.48550/arXiv.2101.09100> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Categorical semantics for functional reactive programming with temporal recursion and corecursion

Jeltsch, Wolfgang Proceedings of the 5th Workshop on Mathematically Structured Functional Programming (MSFP 2014): Grenoble, France, 12 April 2014 2014 / p. 127-142 : ill <https://doi.org/10.4204/EPTCS.153.9> [Conference proceedings at Scopus](#) [Article at Scopus](#)

A categorical semantics for hierarchical Petri Nets

Genovese, Fabrizio; Herold, Jelle; **Loregian, Fosco**; Palombi, Daniele Proceedings Twelfth International Workshop on Graph Computational Models, Online, 22nd June 2021 2021 / p. 51-68 <https://doi.org/10.48550/arXiv.2102.00096> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Coherence for skew-monoidal categories

Uustalu, Tarmo Proceedings of the 5th Workshop on Mathematically Structured Functional Programming (MSFP 2014): Grenoble, France, 12 April 2014 2014 / p. 68-77 <https://doi.org/10.4204/EPTCS.153.5> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Coinductive big-step semantics for concurrency

Uustalu, Tarmo Proceedings 5th Workshop on : Programming Language Approaches to Concurrency and Communication-cEntric Software, Rome, Italy, 23rd March 2013 2013 / p. 63-78 <https://doi.org/10.4204/EPTCS.137.6> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Collages of string diagrams

Braithwaite, Dylan; **Roman Garcia, Mario** 6th International Conference on Applied Category Theory, ACT 2023, Hybrid, College Park, 31 July 2023 - 4 August 2023 2023 / p. 39-53 <https://doi.org/10.4204/EPTCS.397.3> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Constraint-based heuristic on-line test generation from non-deterministic I/O EFSMs

Ahman, Danel; **Käärmees, Marko** EPTCS 80 : proceedings of the 7th Workshop on Model-Based Testing : Tallinn, Estonia, 25 March 2012 2012 / p. 115-129 : ill <https://www.semanticscholar.org/paper/Constraint-Based-Heuristic-On-line-Test-Generation-Ahman-K%C3%A4rmees/c798ef6753277479b79652be2a5921a1db94c74c>

Cornering optics

Boisseau, Guillaume; **Nester, Chad Mitchell**; **Roman Garcia, Mario** Proceedings Fifth International Conference on Applied Category Theory (ACT 2022), Glasgow, United Kingdom, 18-22 July 2022 2023 / p. 97-110 : ill <https://doi.org/10.4204/EPTCS.380.6> <https://cgi.cse.unsw.edu.au/~eptcs/paper.cgi?ACT2022.6.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Data structures for topologically sound higher-dimensional diagram rewriting

Hadzihasanovic, Amar; **Kessler, Diana-Maria** 5th International Conference on Applied Category Theory, ACT 2022, Hybrid, Glasgow, 18-22 July 2022 2023 / p. 111-127 : ill <https://doi.org/10.4204/EPTCS.380.7> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Differential 2-rigs

Loregian, Fosco; **Trimble, Todd** Proceedings Fifth International Conference on Applied Category Theory (ACT 2022), Glasgow, United Kingdom, 18-22 July 2022 2023 / p. 159-182 : ill <https://doi.org/10.4204/EPTCS.380.10> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Directed containers as categories

Ahman, Danel; **Uustalu, Tarmo** Proceedings 6th Workshop on Mathematically Structured Functional Programming (MSFP 2016): Eindhoven, The Netherlands, 8 April 2016 2016 / p. 89-98 <https://doi.org/10.4204/eptcs.207.5> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Duality of lattices associated to left and right quotients

Bell, Jason; Smertnig, Daniel; **Tamm, Hellis** 16th International Conference on Automata and Formal Languages, AFL 2023, Eger, 5 September - 7 September 2023 / p. 35-50 <https://doi.org/10.4204/EPTCS.386.5> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Fibration linguistics (FibLang) : language acquisition

Genovese, Fabrizio; **Loregian, Fosco**; Puca, Caterina Proceedings Fifth International Conference on Applied Category Theory (ACT 2022), Glasgow, United Kingdom, 18-22 July 2022 2023 / p. 224-236 : ill <https://doi.org/10.4204/EPTCS.380.13> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

From equations to distinctions: Two interpretations of effectful computations

Voorneveld, Niels Proceedings of the 8th Workshop on Mathematically Structured Functional Programming, MSFP '20, Dublin, Ireland, 25 April 2020 2020 / p. 1-17 <https://doi.org/10.4204/EPTCS.317.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Generating representative executions : extended abstract

Maarand, Hendrik; Uustalu, Tarmo 10th Workshop on Programming Language Approaches to Concurrency- and Communication-cEntric Software : PLACES 2017 : Uppsala, Sweden, 29 April 2017 2017 / p. 39-48 : ill <https://doi.org/10.4204/EPTCS.246.8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Graphical sequent calculi for modal logics

Ma, Minghui; **Pietarinen, Ahti-Veikko** Electronic proceedings in theoretical computer science 2017 / p. 91-103 <https://doi.org/10.4204/EPTCS.243.7> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Inductive and coinductive predicate liftings for effectful programs

Veltri, Niccolò; Voorneveld, Niels F.W. Proceedings 37th Conference on Mathematical Foundations of Programming SemanticsHybrid: Salzburg, Austria and Online, 30th August - 2nd September, 2021 2021 / p. 260-277 <https://doi.org/10.4204/EPTCS.351.16> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Monoidal width : capturing rank width

Di Lavore, Elena; Sobocinski, Pawel Maria Proceedings Fifth International Conference on Applied Category Theory : Glasgow, Scotland, 18-22 July 2022 2023 / p. 268-283 : ill <https://doi.org/10.4204/EPTCS.380.16> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Normalization by evaluation in the delay monad: A case study for coinduction via copatterns and sized types

Abel, Andreas; **Chapman, James** Proceedings of the 5th Workshop on Mathematically Structured Functional Programming (MSFP 2014) : Grenoble, France, 12 April 2014 2014 / p. 51-67 <https://doi.org/10.4204/EPTCS.153.4> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Obstructions to compositionality

Puca, Caterina; **Hadzihasanovic, Amar**; Genovese, Fabrizio; Coecke, Bob 6th International Conference on Applied Category Theory, ACT 2023, Hybrid, College Park, 31 July 2023 - 4 August 2023 2023 / p. 226-245 <https://doi.org/10.4204/EPTCS.397.14> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Open diagrams via Coend calculus

Roman Garcia, Mario Proceedings of the 3rd Annual International Applied Category Theory Conference 2020 2021 / p. 65-78 : ill <https://doi.org/10.4204/EPTCS.333.5> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Optics for premonoidal categories

Hefford, James; Roman Garcia, Mario 6th International Conference on Applied Category Theory, ACT 2023, Hybrid, College Park, 31 July 2023 - 4 August 2023 2023 / p. 152-171 : ill <https://doi.org/10.4204/EPTCS.397.10> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Promonads and string diagrams for effectful categories

Roman Garcia, Mario Proceedings Fifth International Conference on Applied Category Theory (ACT 2022), Glasgow, United Kingdom, 18-22 July 2022 2023 / p. 344-361 <https://doi.org/10.4204/EPTCS.380.20> <https://cgi.cse.unsw.edu.au/~eptcs/paper.cgi?ACT2022.20.pdf> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Proof theory of skew non-commutative MILL

Uustalu, Tarmo; Veltri, Niccolò; Wan, Cheng-Syuan Proceedings of 10th International Conference on Non-Classical Logics. Theory and Applications, NCL 2022, 14. March, 2022 2022 / p. 118-135 <https://doi.org/10.4204/EPTCS.358.9> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Semi-Substructural Logics à la Lambek

Wan, Cheng-Syuan Proceedings of 11th International Conference on Nonclassical Logics : Theory and Applications (NCL'24) 2024 / p. 195-213 <https://doi.org/10.4204/EPTCS.415.18> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Semi-substructural logics with additives

Veltri, Niccolo; Wan, Cheng-Syuan Proceedings of the 18th International Workshop on Logical and Semantic Frameworks, with Applications and 10th Workshop on Horn Clauses for Verification and Synthesis, Rome, Italy & Paris, France, 1-2 July, 2023 & 23rd April 2023 2024 / p. 63-80 <https://doi.org/10.4204/EPTCS.402.8> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Structured general corecursion and coinductive graphs [extended abstract]

Uustalu, Tarmo EPTCS 77 : proceedings of the 8th Workshop on Fixed Points in Computer Science : Tallinn, Estonia, 24th March 2012 2012 / p. 55-61 <https://arxiv.org/abs/1202.3502>

Variations on Noetherianness

Firsov, Denis; Uustalu, Tarmo; Veltri, Niccolo Proceedings 6th Workshop on Mathematically Structured Functional Programming (MSFP 2016) : Eindhoven, The Netherlands, 8 April 2016 2016 / p. 76-88 : ill <https://doi.org/10.4204/eptcs.207.4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

What makes a strong monad?

McDermott, Dylan; **Uustalu, Tarmo** Proceedings of the Ninth Workshop on Mathematically Structured Functional Programming 2022 / p. 113-133 <https://doi.org/10.4204/EPTCS.360.6> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)