

Coends of higher arity

Loregian, Fosco; de Oliveira Santos, Theo Applied categorical structures 2022 / p. 173-221 <https://doi.org/10.1007/s10485-021-09653-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Completeness for categories of generalized automata

Boccali, Guido; **Laretto, Andrea**; **Loregian, Fosco**; Luneia, Stefano 10th Conference on Algebra and Coalgebra in Computer Science, CALCO 2023, Bloomington, 19 June 2023 - 21 June 2023 2023 / art. 20, 14 p. : ill <https://doi.org/10.4230/LIPcs.CALCO.2023.20> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Compositional modelling of network games

Di Lavore, Elena; Hedges, Jules; **Sobocinski, Pawel Maria** 29th EACSL Annual Conference on Computer Science Logic : CSL 2021, January 25–28, 2021, Ljubljana, Slovenia (Virtual Conference) 2021 / art. 30, p. 30:1–30:24 : ill <https://doi.org/10.4230/LIPcs.CSL.2021.30> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Concurrent process histories and resource transducers

Nester, Chad Mitchell Logical methods in computer science 2023 / p. 7:1-7:22 : ill [https://doi.org/10.46298/LMCS-19\(1:7\)2023](https://doi.org/10.46298/LMCS-19(1:7)2023) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

Fibration linguistics (FibLang) : language acquisition

Genovese, Fabrizio; **Loregian, Fosco**; Puca, Caterina arXiv.org 2022 / p. 1-16 : ill <https://doi.org/10.48550/arXiv.2207.06765> <https://arxiv.org/pdf/2207.06765.pdf>

Fibrational linguistics (FibLang) : first concepts

Genovese, Fabrizio; **Loregian, Fosco**; Puca, Caterina arXiv 2022 / 22 p. : ill <https://doi.org/10.48550/arXiv.2201.01136> <https://arxiv.org/pdf/2201.01136.pdf>

Functorial language games for question answering

Felice, Giovanni de; **Di Lavore, Elena**; **Roman Garcia, Mario**; Toumi, Alexis Proceedings of the 3rd Annual International Applied Category Theory Conference 2020 2021 / p. 311–321 <https://doi.org/10.4204/EPTCS.333.21> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Higher-dimensional subdiagram matching

Hadzihanovic, Amar; **Kessler, Diana-Maria** 2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS) : Boston, MA, USA : 26-29 June 2023 2023 / 13 p <https://doi.org/10.1109/LICS56636.2023.10175726> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Lifting twisted coreflections against delta lenses

Clarke, Bryce James Theory and Applications of Categories 2024 / p. 838 - 877 : ill <http://www.tac.mta.ca/tac/volumes/41/26/41-26abs.html> [Journal metrics at Scopus](#) [Article at Scopus](#)

Monoidal context theory = Monoidiliste kontekstide teooria

Roman Garcia, Mario 2023 <https://doi.org/10.23658/taltech.54/2023> <https://digikogu.taltech.ee/et/Item/034fb7d2-c41f-4d12-81a9-4dd792504995> https://www.ester.ee/record=b5645423*est

Monoidal width

Di Lavore, Elena; **Sobocinski, Pawel Maria** Logical methods in computer science 2023 / p. 15:1–15:46 : ill [https://doi.org/10.46298/LMCS-19\(3:15\)2023](https://doi.org/10.46298/LMCS-19(3:15)2023) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On doctrines and Cartesian bicategories

Bonchi, Filippo; Santamaria, Alessio; Seeber, Jens; **Sobocinski, Pawel Maria** CALCO 2021 : 9th International Conference on Algebra and Coalgebra in Computer Science, Aug 31 - Sep 3, 2021, Salzburg, Austria : proceedings 2021 / p. 10:1–10:7 <https://doi.org/10.4230/LIPcs.CALCO.2021.10> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Protocol choice and iteration for the free cornering

Nester, Chad Mitchell; **Voorneveld, Niels** Journal of logical and algebraic methods in programming 2024 / art. 100942, 30 p <https://doi.org/10.1016/j.jlamp.2023.100942> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Slice nondeterminism

Voorneveld, Niels 4th International Conference on Interactive Theorem Proving, ITP 2023, Bialystok, 31 July - 4 August 2023 2023 / art. 31, 19 p <https://doi.org/10.4230/LIPcs.ITP.2023.31> [Conference proceeding at Scopus](#) [Article at Scopus](#)

String diagram rewrite theory I : rewriting with Frobenius structure

Bonchi, Filippo; Gadducci, Fabio; Kissinger, Aleks; **Sobocinski, Pawel Maria**; Zanasi, Fabio Journal of the ACM 2022 / art. 14
<https://doi.org/10.1145/3502719> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

String diagram rewrite theory II : rewriting with symmetric monoidal structure

Bonchi, Filippo; Gadducci, Fabio; Kissinger, Aleks; **Sobocinski, Pawel Maria**; Zanasi, Fabio Mathematical structures in computer science 2022 / p. 511 - 541 <https://doi.org/10.1017/S0960129522000317> [Journal at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A survey of Compositional signal flow theory

Bonchi, Filippo; **Sobocinski, Pawel Maria**; Zanasi, Fabio Advancing Research in Information and Communication Technology : IFIP's Exciting First 60+ Years, Views from the Technical Committees and Working Groups 2021 / p. 29–56 https://doi.org/10.1007/978-3-030-81701-5_2 [Article collection metrics at Scopus](#) [Article at Scopus](#)

The formal theory of relative monads

Arkor, Nathanael; McDermott, Dylan Journal of pure and applied algebra 2024 / art. 107676, 107 p. : ill
<https://doi.org/10.1016/j.jpaa.2024.107676> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)