Publications of Federico Olmedo by year

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1. Federico Olmedo, Friedrich Gretz, Nils Jansen, Benjamin Lucien Kaminski, Joost-Pieter Katoen, Annabelle McIver. Conditioning in Probabilistic Programming. *ACM Transactions on Programming Languages and Systems (TOPLAS)* 40(1):4:1-4:50, Jan 2018. ACM Press, New York, NY, USA. ISSN 0164-0925.

2. Benjamin Lucien Kaminski, Joost-Pieter Katoen, Christoph Matheja, Federico Olmedo. Weakest Precondition Reasoning for Expected Runtimes of Randomized Algorithms. *Journal of the ACM (JACM)* 65(5):30:1-30:68, Aug 2018. ACM Press, New York, NY, USA. ISSN 0004-5411.

Year 2020

1. Tomás Diaz, Federico Olmedo, Éric Tanter. A Mechanized Formalization of GraphQL. In *Proc. 9th ACM SIGPLAN International Conference on Certified Programs and Proofs (CPP)*, pp. 201-214, 2020. ACM Press, New York, NY, USA.

Year 2022

1. Marcelo Navarro, Federico Olmedo. Slicing of Probabilistic Programs based on Specifications. *Science of Computer Programming (SCICO)* 220:102822, 2022. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.

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1. Matías Toro, David Darais, Chike Abuah, Joseph Near, Damián Árquez, Federico Olmedo, Éric Tanter. Contextual Linear Types for Differential Privacy. *ACM Transactions on Programming Languages and Systems (TOPLAS)* 45(2):8:1-8:69, 2023. ACM Press, New York, NY, USA. ISSN 0164-0925.

2. Matías Toro, Federico Olmedo. A Gradual Probabilistic Lambda Calculus. *Proceedings of the ACM Programming Languages (PACMPL)* 7(84):256-285, Apr 2023. ACM Press, New York, NY, USA. ISSN 2475-1421.

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Year 2025

1. Federico Olmedo. Slicing of Probabilistic Programs: A Review of Existing Approaches. *ACM Computing Surveys (CSUR)* 58(3):74:1-74:40, Aug 2025. ACM Press, New York, NY, USA. ISSN 0360-0300.