

Publications of Federico Olmedo by type

Type A

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.
3. 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.
4. 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.
5. 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.
6. Carlos Buil-Aranda, Jorge Lobo, Federico Olmedo. Differential Privacy and SPARQL. *Semantic Web (SWJ)* 15(3):745-773, 2024. IOS Press, Amsterdam, The Netherlands. ISSN 1570-0844.
7. Matías Toro, Éric Tanter, Federico Olmedo. Gradual Differentially Private Programming. *Communications of the ACM (CACM)* 67(8):49-53, Aug 2024. ACM Press, New York, NY, USA. ISSN 0001-0782.
8. 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.

Type L1

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.