

Publications of Matías Toro by year

Year 2022

1. Elizabeth Labrada, Matías Toro, Éric Tanter. Gradual System F. *Journal of the ACM (JACM)* 69(5):38:1-38:78, Oct 2022. ACM Press, New York, NY, USA. ISSN 0004-5411.

Year 2023

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.

Year 2024

1. 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.

Year 2025

1. Eduardo Graells, Matías Toro, Gabriel Mansilla, Matías Nicolai, Santiago Mansilla, Jocelyn Dunstan. Reducing Urban Speed Limits Decreases Work-related Traffic Injury Severity: Evidence from Santiago, Chile. *Travel Behaviour and Society (TBS)* 40:article 101034, Apr 2025. Elsevier Science, Amsterdam, The Netherlands. ISSN 2214-367X.
2. Wenjia Ye, Matías Toro, Claudio Gutierrez, Bruno C. d. S. Oliveira, Éric Tanter. Elucidating Type Conversions in SQL Engines. In *Proc. 34th European Symposium on Programming (ESOP)*, pp. 408-435, 2025. Springer Nature Switzerland AG, Cham, Switzerland.
3. Damián Árquez, Matías Toro, Éric Tanter. Gradual Sensitivity Typing. In *Proc. 38th Computer Security Foundations Symposium (CSF)*, pp. 314-329, 2025. Santa Cruz. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 979-8-3315-1081-7.
4. Koen Jacobs, Matías Toro, Nicolas Tabareau, Éric Tanter. Robust Dynamic Embedding for Gradual Typing. *Proceedings of the ACM Programming Languages (PACMPL)* 9(ICFP):66-92, Aug 2025. ACM Press, New York, NY, USA. ISSN 2475-1421.

5. Wenjia Ye, Matías Toro, Tomás Diaz, Bruno C. d. S. Oliveira, Manuel Rigger, Claudio Gutierrez, Domagoj Vrgoc. Flexible and Expressive Typed Path Patterns for GQL. *Proceedings of the ACM Programming Languages (PACMPL)* 9(OOPSLA):302-328, Oct 2025. ACM Press, New York, NY, USA. ISSN 2475-1421.
6. Matías Toro, Éric Tanter. Visualizing the Semantics of Gradual Languages with Gredex. *SoftwareX (SoftX)* 32:article 102425, Oct 2025. Elsevier Science, Amsterdam, The Netherlands. ISSN 2352-7110.