

List of publications

Antoine Amarilli

January 21, 2021

1 Peer-reviewed international conferences

- [1] Antoine Amarilli and Benny Kimelfeld. “Uniform Reliability of Self-Join-Free Conjunctive Queries”. In: *ICDT*. 2021.
- [2] Osnat Drien, Antoine Amarilli, and Yael Amsterdamer. “Managing Consent for Data Access in Shared Databases”. In: *ICDE*. Short paper. 2021.
- [3] Antoine Amarilli and İsmail İlkan Ceylan. “A Dichotomy for Homomorphism-Closed Queries on Probabilistic Graphs”. In: *ICDT*. 2020.
- [4] Julien Romero, Nicoleta Preda, Antoine Amarilli, and Fabian M. Suchanek. “Equivalent Rewritings on Path Views with Binding Patterns”. In: *ESWC*. 2020.
- [5] Julien Romero, Nicoleta Preda, Antoine Amarilli, and Fabian M. Suchanek. “Computing and Illustrating Query Rewritings on Path Views with Binding Patterns”. In: *CIKM*. Demo paper. 2020.
- [6] Antoine Amarilli, Pierre Bourhis, Stefan Mengel, and Matthias Niewerth. “Constant-Delay Enumeration for Nondeterministic Document Spanners”. In: *ICDT*. 2019.
- [7] Antoine Amarilli, Pierre Bourhis, Stefan Mengel, and Matthias Niewerth. “Enumeration on Trees with Tractable Combined Complexity and Efficient Updates”. In: *PODS*. 2019.
- [8] Andy Shih, Guy Van den Broeck, Paul Beame, and Antoine Amarilli. “Smoothing Structured Decomposable Circuits”. In: *NeurIPS*. Spotlight presentation. 2019.
- [9] Antoine Amarilli and Michael Benedikt. “When Can We Answer Queries Using Result-Bounded Data Interfaces?” In: *PODS*. 2018.
- [10] Antoine Amarilli, Pierre Bourhis, and Stefan Mengel. “Enumeration on Trees under Relabelings”. In: *ICDT*. 2018.
- [11] Antoine Amarilli, Mikaël Monet, and Pierre Senellart. “Connecting Width and Structure in Knowledge Compilation”. In: *ICDT*. 2018.
- [12] Antoine Amarilli and Charles Paperman. “Topological Sorting under Regular Constraints”. In: *ICALP*. 2018.
- [13] Antoine Amarilli, Yael Amsterdamer, Tova Milo, and Pierre Senellart. “Top-k Queries on Unknown Values under Order Constraints”. In: *ICDT*. 2017.
- [14] Antoine Amarilli, M. Lamine Ba, Daniel Deutch, and Pierre Senellart. “Possible and Certain Answers for Queries over Order-Incomplete Data”. In: *TIME*. 2017.
- [15] Antoine Amarilli, Pierre Bourhis, Louis Jachiet, and Stefan Mengel. “A Circuit-Based Approach to Efficient Enumeration”. In: *ICALP*. 2017.

- [16] Antoine Amarilli, Pierre Bourhis, Mikaël Monet, and Pierre Senellart. “Combined Tractability of Query Evaluation via Tree Automata and Cycluits”. In: *ICDT*. 2017.
- [17] Antoine Amarilli, Mikaël Monet, and Pierre Senellart. “Conjunctive Queries on Probabilistic Graphs: Combined Complexity”. In: *PODS*. 2017.
- [18] Luis Galárraga, Simon Razniewski, Antoine Amarilli, and Fabian M. Suchanek. “Predicting Completeness in Knowledge Bases”. In: *WSDM*. 2017.
- [19] Antoine Amarilli, Michael Benedikt, Pierre Bourhis, and Michael Vanden Boom. “Query Answering with Transitive and Linear-Ordered Data”. In: *IJCAI*. 2016.
- [20] Antoine Amarilli, Pierre Bourhis, and Pierre Senellart. “Tractable Lineages on Treelike Instances: Limits and Extensions”. In: *PODS*. 2016.
- [21] Antoine Amarilli, Silviu Maniu, and Mikaël Monet. “Challenges for Efficient Query Evaluation on Structured Probabilistic Data”. In: *SUM*. 2016.
- [22] Antoine Amarilli and Michael Benedikt. “Combining Existential Rules and Description Logics”. In: *IJCAI*. 2015.
- [23] Antoine Amarilli and Michael Benedikt. “Finite Open-World Query Answering with Number Restrictions”. In: *LICS*. 2015.
- [24] Antoine Amarilli, Pierre Bourhis, and Pierre Senellart. “Provenance Circuits for Trees and Treelike Instances”. In: *ICALP*. 2015.
- [25] Antoine Amarilli, Yael Amsterdamer, and Tova Milo. “On the Complexity of Mining Itemsets from the Crowd Using Taxonomies”. In: *ICDT*. 2014.
- [26] Ruiming Tang, Antoine Amarilli, Pierre Senellart, and Stéphane Bressan. “Get a Sample for a Discount: Sampling-Based XML Data Pricing”. In: *DEXA*. 2014.

2 Peer-reviewed international workshops

- [27] Antoine Amarilli. “Structurally Tractable Uncertain Data”. In: *SIGMOD/PODS Ph.D. Symposium*. 2015.
- [28] Aliaksandr Talaika, Joanna Biega, Antoine Amarilli, and Fabian M. Suchanek. “IBEX: Harvesting Entities from the Web Using Unique Identifiers”. In: *WebDB*. 2015.
- [29] Antoine Amarilli. “The Possibility Problem for Probabilistic XML”. In: *AMW*. 2014.
- [30] Antoine Amarilli, Yael Amsterdamer, and Tova Milo. “Uncertainty in Crowd Data Sourcing under Structural Constraints”. In: *UnCrowd*. 2014.
- [31] Marilena Oita, Antoine Amarilli, and Pierre Senellart. “Cross-Fertilizing Deep Web Analysis and Ontology Enrichment”. In: *VLDS*. 2012.

3 Peer-reviewed national conferences

- [32] Antoine Amarilli and Pierre Senellart. “On the Connections between Relational and XML Probabilistic Data Models”. In: *BNCOD*. 2013.

4 Patents

- [33] Antoine Amarilli, Mehryar Mohri, and Cyril Allauzen. *Minimum Bayesian Risk Methods for Automatic Speech Recognition*. US Patent 9123333. 2015.

5 Peer-reviewed journal articles

- [34] Antoine Amarilli and Michael Benedikt. “Finite Open-World Query Answering with Number Restrictions”. In: *ToCL* 2020 (2020).
- [35] Antoine Amarilli, Pierre Bourhis, Stefan Mengel, and Matthias Niewerth. “Constant-Delay Enumeration for Nondeterministic Document Spanners”. In: *TODS* (2020).
- [36] Antoine Amarilli, M. Lamine Ba, Daniel Deutch, and Pierre Senellart. “Computing Possible and Certain Answers over Order-Incomplete Data”. In: *TCS* 2019 (2019).
- [37] Antoine Amarilli, Pierre Bourhis, Mikaël Monet, and Pierre Senellart. “Evaluating Datalog via Tree Automata and Cycluits”. In: *ToCS* 2019 (2019).
- [38] Antoine Amarilli, Florent Capelli, Mikaël Monet, and Pierre Senellart. “Connecting Knowledge Compilation Classes and Width Parameters”. In: *ToCS* 2019 (2019).
- [39] Antoine Amarilli, Michael Benedikt, Pierre Bourhis, and Michael Vanden Boom. “Query Answering with Transitive and Linear-Ordered Data”. In: *JAIR* 2018 (2018).
- [40] Antoine Amarilli. “Possibility for Probabilistic XML”. In: *ISI* (2015).
- [41] Ruiming Tang, Antoine Amarilli, Pierre Senellart, and Stéphane Bressan. “A Framework for Sampling-Based XML Data Pricing”. In: *TLDKS* (2015).

6 Publications without peer review

- [42] Antoine Amarilli, Silviu Maniu, and Pierre Senellart. “Intensional Data on the Web”. In: *ACM SIGWEB Newsletter* Summer 2015 (2015).
- [43] Antoine Amarilli, Luis Galárraga, Nicoleta Preda, and Fabian M. Suchanek. “Recent Topics of Research around the YAGO Knowledge Base”. In: *APWEB*. 2014.
- [44] Antoine Amarilli, Fabrice Ben Hamouda, Florian Bourse, Robin Morisset, David Naccache, and Pablo Rauzy. “From Rational Number Reconstruction to Set Reconciliation and File Synchronization”. In: *TGC*. 2012.
- [45] Antoine Amarilli, Sascha Müller, David Naccache, Daniel Page, Pablo Rauzy, and Michael Tunstall. “Can Code Polymorphism Limit Information Leakage?” In: *WISTP*. 2011.
- [46] Antoine Amarilli, David Naccache, Pablo Rauzy, and Emil Simion. “Can a Program Reverse-Engineer Itself?” In: *IMACC*. 2011.

7 Publications currently undergoing peer review

- [47] Antoine Amarilli and İsmail İlkan Ceylan. “The Dichotomy of Evaluating Homomorphism-Closed Queries on Probabilistic Graphs”. Under review. 2021.
- [48] Antoine Amarilli and Michael Benedikt. “When Can We Answer Queries Using Result-Bounded Data Interfaces?” Under review. 2018.