

# Liste de publications

Antoine Amarilli

30 janvier 2023

## 1 Conférences internationales avec comité de lecture

- [1] Antoine AMARILLI. “Uniform Reliability for Unbounded Homomorphism-Closed Graph Queries”. In : *ICDT*. 2023.
- [2] Antoine AMARILLI et Mikaël MONET. “Enumerating Regular Languages in Bounded Delay”. In : *STACS*. 2023.
- [3] Antoine AMARILLI, Louis JACHET, Martín MUÑOZ et Cristian RIVEROS. “Efficient Enumeration Algorithms for Annotated Grammars”. In : *PODS*. 2022. DOI : 10.1145/3517804.3526232.
- [4] Antoine AMARILLI et Mikaël MONET. “Weighted Counting of Matchings in Unbounded-Treewidth Graph Families”. In : *MFCS*. 2022. DOI : 10.4230/LIPIcs.MFCS.2022.9.
- [5] Antoine AMARILLI, Louis JACHET et Charles PAPERMAN. “Dynamic Membership for Regular Languages”. In : *ICALP*. 2021. DOI : 10.4230/LIPIcs.ICALP.2021.116.
- [6] Antoine AMARILLI et Benny KIMELFELD. “Uniform Reliability of Self-Join-Free Conjunctive Queries”. In : *ICDT*. 2021. DOI : 10.4230/LIPIcs.ICDT.2021.17.
- [7] Osnat DRIEN, Antoine AMARILLI et Yael AMSTERDAMER. “Managing Consent for Data Access in Shared Databases”. In : *ICDE*. Short paper. 2021. DOI : 10.1109/ICDE51399.2021.00182.
- [8] Antoine AMARILLI et İsmail İlkan CEYLAN. “A Dichotomy for Homomorphism-Closed Queries on Probabilistic Graphs”. In : *ICDT*. 2020. DOI : 10.4230/LIPIcs.ICDT.2020.5.
- [9] Julien ROMERO, Nicoleta PREDA, Antoine AMARILLI et Fabian M. SUCHANEK. “Equivalent Rewritings on Path Views with Binding Patterns”. In : *ESWC*. 2020. DOI : 10.1007/978-3-030-49461-2\_26.
- [10] Julien ROMERO, Nicoleta PREDA, Antoine AMARILLI et Fabian M. SUCHANEK. “Computing and Illustrating Query Rewritings on Path Views with Binding Patterns”. In : *CIKM*. Demo paper. 2020. DOI : 10.1145/3340531.3417431.
- [11] Antoine AMARILLI, Pierre BOURHIS, Stefan MENGEL et Matthias NIEWERTH. “Constant-Delay Enumeration for Nondeterministic Document Spanners”. In : *ICDT*. 2019. DOI : 10.4230/LIPIcs.ICDT.2019.22.
- [12] Antoine AMARILLI, Pierre BOURHIS, Stefan MENGEL et Matthias NIEWERTH. “Enumeration on Trees with Tractable Combined Complexity and Efficient Updates”. In : *PODS*. 2019. DOI : 10.1145/3294052.3319702.
- [13] Andy SHIH, Guy Van den BROECK, Paul BEAME et Antoine AMARILLI. “Smoothing Structured Decomposable Circuits”. In : *NeurIPS*. Spotlight presentation. 2019.

- [14] Antoine AMARILLI et Michael BENEDIKT. “When Can We Answer Queries Using Result-Bounded Data Interfaces?” In : *PODS*. 2018. DOI : 10.1145/3196959.3196965.
- [15] Antoine AMARILLI, Pierre BOURHIS et Stefan MENGEL. “Enumeration on Trees under Relabelings”. In : *ICDT*. 2018. DOI : 10.4230/LIPIcs.ICDT.2018.5.
- [16] Antoine AMARILLI, Mikaël MONET et Pierre SENELLART. “Connecting Width and Structure in Knowledge Compilation”. In : *ICDT*. 2018. DOI : 10.4230/LIPIcs.ICDT.2018.6.
- [17] Antoine AMARILLI et Charles PAPERMAN. “Topological Sorting under Regular Constraints”. In : *ICALP*. 2018. DOI : 10.4230/LIPIcs.ICALP.2018.115.
- [18] Antoine AMARILLI, Yael AMSTERDAMER, Tova MILO et Pierre SENELLART. “Top-k Queries on Unknown Values under Order Constraints”. In : *ICDT*. 2017. DOI : 10.4230/LIPIcs.ICDT.2017.5.
- [19] Antoine AMARILLI, M. Lamine BA, Daniel DEUTCH et Pierre SENELLART. “Possible and Certain Answers for Queries over Order-Incomplete Data”. In : *TIME*. 2017. DOI : 10.4230/LIPIcs.TIME.2017.4.
- [20] Antoine AMARILLI, Pierre BOURHIS, Louis JACHET et Stefan MENGEL. “A Circuit-Based Approach to Efficient Enumeration”. In : *ICALP*. 2017. DOI : 10.4230/LIPIcs.ICALP.2017.111.
- [21] Antoine AMARILLI, Pierre BOURHIS, Mikaël MONET et Pierre SENELLART. “Combined Tractability of Query Evaluation via Tree Automata and Cycluits”. In : *ICDT*. 2017. DOI : 10.4230/LIPIcs.ICDT.2017.6.
- [22] Antoine AMARILLI, Mikaël MONET et Pierre SENELLART. “Conjunctive Queries on Probabilistic Graphs: Combined Complexity”. In : *PODS*. 2017. DOI : 10.1145/3034786.3056121.
- [23] Luis GALÁRRAGA, Simon RAZNIEWSKI, Antoine AMARILLI et Fabian M. SUCHANEK. “Predicting Completeness in Knowledge Bases”. In : *WSDM*. 2017. DOI : 10.1145/3018661.3018739.
- [24] Antoine AMARILLI, Michael BENEDIKT, Pierre BOURHIS et Michael VANDEN BOOM. “Query Answering with Transitive and Linear-Ordered Data”. In : *IJCAI*. 2016.
- [25] Antoine AMARILLI, Pierre BOURHIS et Pierre SENELLART. “Tractable Lineages on Treelike Instances: Limits and Extensions”. In : *PODS*. 2016. DOI : 10.1145/2902251.2902301.
- [26] Antoine AMARILLI, Silviu MANIU et Mikaël MONET. “Challenges for Efficient Query Evaluation on Structured Probabilistic Data”. In : *SUM*. 2016. DOI : 10.1007/978-3-319-45856-4\_22.
- [27] Antoine AMARILLI et Michael BENEDIKT. “Combining Existential Rules and Description Logics”. In : *IJCAI*. 2015.
- [28] Antoine AMARILLI et Michael BENEDIKT. “Finite Open-World Query Answering with Number Restrictions”. In : *LICS*. 2015. DOI : 10.1109/LICS.2015.37.
- [29] Antoine AMARILLI, Pierre BOURHIS et Pierre SENELLART. “Provenance Circuits for Trees and Treelike Instances”. In : *ICALP*. 2015. DOI : 10.1007/978-3-662-47666-6\_5.
- [30] Antoine AMARILLI, Yael AMSTERDAMER et Tova MILO. “On the Complexity of Mining Itemsets from the Crowd Using Taxonomies”. In : *ICDT*. 2014. DOI : 10.5441/002/icdt.2014.06.
- [31] Ruiming TANG, Antoine AMARILLI, Pierre SENELLART et Stéphane BRESSAN. “Get a Sample for a Discount: Sampling-Based XML Data Pricing”. In : *DEXA*. 2014. DOI : 10.1007/978-3-319-10073-9\_3.

## 2 Workshops internationaux avec comité de lecture

- [32] Antoine AMARILLI et Yael AMSTERDAMER. “Worst-Case Analysis for Interactive Evaluation of Boolean Provenance”. In : *TAPP*. 2022. DOI : 10.1145/3530800.3534538.
- [33] Antoine AMARILLI. “Structurally Tractable Uncertain Data”. In : *SIGMOD/PODS Ph.D. Symposium*. 2015. DOI : 10.1145/2744680.2744690.
- [34] Aliaksandr TALAİKA, Joanna BIEGA, Antoine AMARILLI et Fabian M. SUCHANEK. “IBEX: Harvesting Entities from the Web Using Unique Identifiers”. In : *WebDB*. 2015. DOI : 10.1145/2767109.2767116.
- [35] Antoine AMARILLI. “The Possibility Problem for Probabilistic XML”. In : *AMW*. 2014.
- [36] Antoine AMARILLI, Yael AMSTERDAMER et Tova MILO. “Uncertainty in Crowd Data Sourcing under Structural Constraints”. In : *UnCrowd*. 2014. DOI : 10.1007/978-3-662-43984-5\_27.
- [37] Marilena OITA, Antoine AMARILLI et Pierre SENELLART. “Cross-Fertilizing Deep Web Analysis and Ontology Enrichment”. In : *VLDS*. 2012.

## 3 Conférences nationales avec comité de lecture

- [38] Antoine AMARILLI et Pierre SENELLART. “On the Connections between Relational and XML Probabilistic Data Models”. In : *BNCOD*. 2013. DOI : 10.1007/978-3-642-39467-6\_13.

## 4 Brevets

- [39] Antoine AMARILLI, Mehryar MOHRI et Cyril ALLAUZEN. *Minimum Bayesian Risk Methods for Automatic Speech Recognition*. US Patent 9123333. 2015.

## 5 Articles de revues avec comité de lecture

- [40] Antoine AMARILLI et Michael BENEDIKT. “When Can We Answer Queries Using Result-Bounded Data Interfaces?” In : *LMCS 2022* (2022). DOI : 10.46298/LMCS-18(2:14)2022.
- [41] Antoine AMARILLI et İsmail İlkan CEYLAN. “The Dichotomy of Evaluating Homomorphism-Closed Queries on Probabilistic Graphs”. In : *LMCS 2022* (2022). DOI : 10.46298/lmcs-18(1:2)2022.
- [42] Antoine AMARILLI et Benny KIMELFELD. “Uniform Reliability of Self-Join-Free Conjunctive Queries”. In : *LMCS* (2022). DOI : 10.46298/lmcs-18(4:3)2022.
- [43] Antoine AMARILLI, Pierre BOURHIS, Stefan MENGEL et Matthias NIEWERTH. “Constant-Delay Enumeration for Nondeterministic Document Spanners”. In : *TODS 2021* (2021). DOI : 10.1145/3436487.
- [44] Antoine AMARILLI et Michael BENEDIKT. “Finite Open-World Query Answering with Number Restrictions”. In : *ToCL 2020* (2020). DOI : 10.1145/3365834.
- [45] Antoine AMARILLI, Florent CAPELLI, Mikaël MONET et Pierre SENELLART. “Connecting Knowledge Compilation Classes and Width Parameters”. In : *ToCS 2020* (2020). DOI : 10.1007/s00224-019-09930-2.
- [46] Antoine AMARILLI, M. Lamine BA, Daniel DEUTCH et Pierre SENELLART. “Computing Possible and Certain Answers over Order-Incomplete Data”. In : *TCS 2019* (2019). DOI : 10.1016/j.tcs.2019.05.013.

- [47] Antoine AMARILLI, Pierre BOURHIS, Mikaël MONET et Pierre SENELLART. “Evaluating Datalog via Tree Automata and Cycluits”. In : *ToCS* 2019 (2019). DOI : 10.1007/s00224-018-9901-2.
- [48] Antoine AMARILLI, Michael BENEDIKT, Pierre BOURHIS et Michael VANDEN BOOM. “Query Answering with Transitive and Linear-Ordered Data”. In : *JAIR* 2018 (2018). DOI : 10.1613/jair.1.11240.
- [49] Antoine AMARILLI. “Possibility in Probabilistic XML”. In : *ISI* 2015 (2015). DOI : 10.3166/isi.20.5.53-75.
- [50] Ruiming TANG, Antoine AMARILLI, Pierre SENELLART et Stéphane BRESSAN. “A Framework for Sampling-Based XML Data Pricing”. In : *TLDKS* 2015 (2014). DOI : 10.1007/978-3-662-49214-7\_4.

## 6 Publications sans comité de lecture

- [51] Antoine AMARILLI, Silviu MANIU et Pierre SENELLART. “Intensional Data on the Web”. In : *ACM SIGWEB Newsletter* Summer 2015 (2015). DOI : 10.1145/2808000.2808004.
- [52] Antoine AMARILLI, Luis GALÁRRAGA, Nicoleta PREDA et Fabian M. SUCHANEK. “Recent Topics of Research around the YAGO Knowledge Base”. In : *APWEB*. 2014. DOI : 10.1007/978-3-319-11116-2\_1.
- [53] Antoine AMARILLI, Fabrice Ben HAMOUDA, Florian BOURSE, Robin MORISSET, David NACCACHE et Pablo RAUZY. “From Rational Number Reconstruction to Set Reconciliation and File Synchronization”. In : *TGC*. 2012. DOI : 10.1007/978-3-642-41157-1\_1.
- [54] Antoine AMARILLI, Sascha MÜLLER, David NACCACHE, Daniel PAGE, Pablo RAUZY et Michael TUNSTALL. “Can Code Polymorphism Limit Information Leakage?” In : *WISTP*. 2011. DOI : 10.1007/978-3-642-21040-2\_1.
- [55] Antoine AMARILLI, David NACCACHE, Pablo RAUZY et Emil SIMION. “Can a Program Reverse-Engineer Itself?” In : *IMACC*. 2011. DOI : 10.1007/978-3-642-25516-8\_1.

## 7 Prépublications soumises

- [56] Antoine AMARILLI et Michael BENEDIKT. “Tighter Bounds for Query Answering with Guarded TGDs”. Under review. 2023.
- [57] Antoine AMARILLI et Charles PAPERMAN. “Locality and Centrality: The Variety ZG”. Under review. 2021.