

# Bio: Dominik Tomaszuk

## About



Dr Dominik Tomaszuk works in semantic technologies and graph-based knowledge representation, with research interests spanning the Semantic Web, Linked Data, graph databases, RDF, Property Graphs, data interoperability, data integration, and data modeling.

## Research interests

- Semantic Web
- Linked Data
- Graph Databases
- Knowledge Representation
- RDF
- Property Graphs
- Data Interoperability
- Data Integration
- Data Modeling

## Profile

Current work focuses on RDF and Property Graph interoperability, data integration, data modeling, schema languages, validation, and graph query language concepts, alongside open-source software for graph data conversion and analysis.

## Contact

### Institutional address

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room 2026

### Direct contact

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### Research stays at home and abroad

- **2024-02 to 2025-03.** TU Wien, DBAI Research Unit, Data Management and Knowledge-Driven AI (DMKI) Lab
- **2020-01.** Budapest, Hungary, Fault Tolerant Systems Research Group, Budapest University of Technology and Economics
- **2019-08 to 2019-10.** Curico and Santiago, Chile, Millennium Institute for Foundational Research on Data
- **2018-11.** Curico, Chile, University of Talca
- **2017-09.** Helsinki, Finland, Aalto University and University of Helsinki
- **2015-09 to 2015-10.** Lund, Sweden, Lund University, as part of the TransFormation program organized by the Ministry of Science and Higher Education (DIR/1861/AP/2015)
- **2015-03.** Galway, Ireland, Insight Centre for Data Analytics, National University of Ireland
- **2009-present.** Białystok, Poland, University of Białystok, Faculty of Mathematics and Computer Science / Institute of Computer Science
- **2008.** Białystok, Poland, Białystok University of Technology, Faculty of Computer Science

### Prizes and awards

- **2023.** SIGMOD Industry Track Best Paper
- **2022.** Bronze Medal for Long Service
- **2022.** PVLDB Volume 15, VLDB 2022 Best Regular Research Paper Runner-Up for *Threshold Queries in Theory and in the Wild*
- **2015.** Business Idea Pitching at Lund University, Sweden
- **2015.** Rector's Award for scientific work
- **2014.** "Best practitioner" award from UwB students
- **2013.** Annual scientific scholarship of the Podlasie Scholarship Fund
- **2012.** Rector's Award for scientific work
- **2010.** Rector's Award for organizational work
- **2008.** Honorable thesis

### Information about obtained degrees

- **2014.** PhD in computer science, Warsaw University of Technology
- **2008.** MSc (mgr inż.) in computer science, Białystok University of Technology
- **2008.** BSc in economics, with honors, Higher School of Economics

### Career

- **Feb 2024 to Mar 2025.** Postdoc, TU Wien
- **Since Oct 2014.** Assistant Professor, University of Białystok
- **Oct 2009 to Sep 2014.** Research Assistant, University of Białystok
- **2008.** Research Assistant Intern, Białystok University of Technology

## Research

My research focuses on semantic technologies, graph data models, data interoperability, data integration, and knowledge representation for publishing, querying, and exchanging knowledge.

### Core interests

- Semantic Web
- Linked Data
- Graph Databases
- Knowledge Representation
- RDF
- Property Graphs
- Data Interoperability
- Data Integration
- Data Modeling

### Research directions

- Knowledge representation on the Web
- Linked Data and RDF-based integration
- Property Graphs and graph database models

### Project portfolio

The current project list covers software, formats, grammars, converters, validation tooling, and language-specification work across RDF, Linked Data, Property Graphs, and graph query languages.

## Publications

Jump to year [2025](#) [2024](#) [2023](#) [2022](#) [2021](#) [2020](#) [2019](#) [2018](#) [2017](#) [2016](#) [2015](#) [2014](#) [2012](#) [2011](#)

2025

Angela Bonifati, Stefania Dumbava, George Fletcher, Jan Hidders, Matthias Hofer, Wim Martens, Filip Murlak, Joshua Shinavier, Slawek Staworko, and Dominik Tomaszuk. “Threshold queries in theory and in the wild.” *VLDB J.* 34(4). pp. 49. [DOI](#).

2025

Dominik Tomaszuk, Arslan Smajevic, Tomer Sagi, and Katja Hose. “FHIR Lens: A Graph-Based Approach to Semantic EHR Exploration.” In *38th IEEE International Symposium on Computer-Based Medical Systems, CBMS 2025, Madrid, Spain, June 18-20, 2025*, IEEE. pp. 1-6. [DOI](#).

2025

Dominik Tomaszuk and José Emilio Labra Gayo. “On Property Constraints in PG-Schema.” In *Proceedings of the 13th Knowledge Capture Conference 2025, K-CAP 2025, Dayton, Ohio, USA, December 10-12, 2025*, ACM. pp. 69-73. [DOI](#).

2025

Dörthe Arndt, William Van Woensel, and Dominik Tomaszuk. “SPARQL in N3: SPARQL CONSTRUCT as a rule language for the Semantic Web (Extended Version).” *CoRR* abs/2508.13041. [DOI](#).

2025

Dörthe Arndt, William Van Woensel, and Dominik Tomaszuk. “SPARQL in N3: SPARQL construct as a Rule Language for the Semantic Web.” In *Rules and Reasoning - 9th International Joint Conference, RuleML+RR 2025, Istanbul, Turkey, September 22-24, 2025, Proceedings*, Springer. pp. 209-226. [DOI](#).

2025

Maxime Jakubowski, Dominik Tomaszuk, and Katja Hose. “Bridging Gaps in RDF Validation - Insights and Innovation Opportunities in RDF Validation Practices.” In *Linking Meaning: Semantic Technologies Shaping the Future of AI - Proceedings of the 21st International Conference on Semantic Systems, SEMANTiCS 2025, Vienna, Austria, September 3-5, 2025*, IOS Press. pp. 70-84. [DOI](#).

2025

Shqiponja Ahmetaj, Iovka Boneva, Jan Hidders, Katja Hose, Maxime Jakubowski, José Emilio Labra Gayo, Wim Martens, Fabio Mogavero, Filip Murlak, Cem Okulmus, Axel Polleres, Ognjen Savkovic, Mantas Simkus, and Dominik Tomaszuk. “Common Foundations for SHACL, ShEx, and PG-Schema.” In *Proceedings of the ACM on Web Conference 2025, WWW 2025, Sydney, NSW, Australia, 28 April 2025- 2 May 2025*, ACM. pp. 8-21. [DOI](#).

2025

Shqiponja Ahmetaj, Iovka Boneva, Jan Hidders, Katja Hose, Maxime Jakubowski, José Emilio Labra Gayo, Wim Martens, Fabio Mogavero, Filip Murlak, Cem Okulmus, Axel Polleres, Ognjen Savkovic, Mantas Simkus, and Dominik Tomaszuk. “Common Foundations for SHACL, ShEx, and PG-Schema.” *CoRR* abs/2502.01295. [DOI](#).

2024

Lukasz Szeremeta, Dominik Tomaszuk, and Renzo Angles. “YARS-PG: Property Graphs Representation for Publication and Exchange.” *IEEE Access* 12. pp. 73386-73399. [DOI](#).

2023

Angela Bonifati, Stefania Dumbrava, George Fletcher, Jan Hidders, Matthias Hofer, Wim Martens, Filip Murlak, Joshua Shinavier, Slawek Staworko, and Dominik Tomaszuk. “Threshold Queries.” *SIGMOD Rec.* 52(1). pp. 64-73. [DOI](#).

2023

Dörthe Arndt, William Van Woensel, and Dominik Tomaszuk. “SiN3: Scalable inferencing with SPARQL CONSTRUCT queries.” In *Proceedings of the ISWC 2023 Posters, Demos and Industry Tracks: From Novel Ideas to Industrial Practice co-located with 22nd International Semantic Web Conference (ISWC 2023), Athens, Greece, November 6-10, 2023*, CEUR-WS.org. [URL](#).

2023

Renzo Angles, Angela Bonifati, Stefania Dumbrava, George Fletcher, Alastair Green, Jan Hidders, Bei Li, Leonid Libkin, Victor Marsault, Wim Martens, Filip Murlak, Stefan Plantikow, Ognjen

Savkovic, Michael Schmidt, Juan Sequeda, Slawek Staworko, Dominik Tomaszuk, Hannes Voigt, Domagoj Vrgoc, Mingxi Wu, and Dusan Zivkovic. “PG-Schema: Schemas for Property Graphs.” *Proc. ACM Manag. Data* 1(2). pp. 198:1-198:25. [DOI](#).

2022

Angela Bonifati, Stefania Dumbra, George Fletcher, Jan Hidders, Matthias Hofer, Wim Martens, Filip Murlak, Joshua Shinavier, Slawek Staworko, and Dominik Tomaszuk. “Threshold Queries in Theory and in the Wild.” *Proc. VLDB Endow.* 15(5). pp. 1105-1118. [DOI](#).

2022

Dominik Tomaszuk, Szymon Glab, Filip Turobos, Tomasz Pawlik, Dominik Kuzinski, and Mirek Sopek. “Interwoven Hash of Vicious Circle Free Graph.” In *IEEE International Conference on Blockchain, Blockchain 2022, Espoo, Finland, August 22-25, 2022*, IEEE. pp. 449-454. [DOI](#).

2022

Mirek Sopek, Dominik Tomaszuk, Szymon Glab, Filip Turobos, Ivo Zielinski, Dominik Kuzinski, Ryszard Olejnik, Piotr Luniewski, and Przemyslaw Gradzki. “Technological Foundations of Ontological Ecosystems on the 3rd Generation Blockchains.” *IEEE Access* 10. pp. 12487-12502. [DOI](#).

2022

Renzo Angles, Angela Bonifati, Stefania Dumbra, George Fletcher, Alastair Green, Jan Hidders, Bei Li, Leonid Libkin, Victor Marsault, Wim Martens, Filip Murlak, Stefan Plantikow, Ognjen Savkovic, Michael Schmidt, Juan Sequeda, Slawek Staworko, Dominik Tomaszuk, Hannes Voigt, Domagoj Vrgoc, Mingxi Wu, and Dusan Zivkovic. “PG-Schema: Schemas for Property Graphs.” *CoRR* abs/2211.10962. [DOI](#).

2021

Angela Bonifati, Stefania Dumbra, George Fletcher, Jan Hidders, Matthias Hofer, Wim Martens, Filip Murlak, Joshua Shinavier, Slawek Staworko, and Dominik Tomaszuk. “Threshold Queries in Theory and in the Wild.” *CoRR* abs/2106.15703. [URL](#).

2021

Angela Bonifati, Stefania Dumbra, George Fletcher, Jan Hidders, Matthias Hofer, Wim Martens, Filip Murlak, Joshua Shinavier, Slawek Staworko, and Dominik Tomaszuk. “Threshold queries in Python (Version 1.0.1).” Zenodo. [DOI](#).

2021

Dominik Tomaszuk. “CoVoMe: New Methodology for Building Controlled Vocabulary.” In *Metadata and Semantic Research - 15th International Conference, MTSR 2021, Virtual Event, November 29 - December 3, 2021, Revised Selected Papers*, Springer. pp. 41-56. [DOI](#).

2021

Dominik Tomaszuk, Dominik Kuzinski, Mirek Sopek, and Boguslaw Swiecicki. “A Distributed Graph Data Storage in Ethereum Ecosystem.” In *Economics of Grids, Clouds, Systems, and Services - 18th International Conference, GECON 2021, Virtual Event, September 21-23, 2021, Proceedings*, Springer. pp. 223-231. [DOI](#).

2021

Lukasz Szeremeta and Dominik Tomaszuk. “Generating molecular entities as structured data.” *SoftwareX* 15. pp. 100733. [DOI](#).

2021

Renzo Angles, Angela Bonifati, Stefania Dumbra, George Fletcher, Keith W. Hare, Jan Hidders, Victor E. Lee, Bei Li, Leonid Libkin, Wim Martens, Filip Murlak, Josh Perryman, Ognjen Savkovic, Michael Schmidt, Juan F. Sequeda, Slawek Staworko, and Dominik Tomaszuk. “PG-Keys: Keys for Property Graphs.” In *SIGMOD '21: International Conference on Management of Data, Virtual Event, China, June 20-25, 2021*, ACM. pp. 2423-2436. [DOI](#).

2020

Dominik Tomaszuk and David Hyland-Wood. “RDF 1.1: Knowledge Representation and Data Integration Language for the Web.” *Symmetry* 12(1). pp. 84. [DOI](#).

2020

Dominik Tomaszuk and David Hyland-Wood. “RDF 1.1: Knowledge Representation and Data Integration Language for the Web.” *CoRR* abs/2001.00432. [URL](#).

2020

Dominik Tomaszuk, Renzo Angles, and Harsh Thakkar. “PGO: Describing Property Graphs in RDF.” *IEEE Access* 8. pp. 118355-118369. [DOI](#).

2020

Renzo Angles, Harsh Thakkar, and Dominik Tomaszuk. “Mapping RDF Databases to Property Graph Databases.” *IEEE Access* 8. pp. 86091-86110. [DOI](#).

2019

Dominik Tomaszuk, Renzo Angles, Lukasz Szeremeta, Karol Litman, and Diego Cisterna. “Serialization for Property Graphs.” In *Beyond Databases, Architectures and Structures. Paving the Road to Smart Data Processing and Analysis - 15th International Conference, BDAS 2019, Ustroń, Poland, May 28-31, 2019, Proceedings*, Springer. pp. 57-69. [DOI](#).

2019

Harsh Thakkar, Renzo Angles, Dominik Tomaszuk, and Jens Lehmann. “Direct Mappings between RDF and Property Graph Databases.” *CoRR* abs/1912.02127. [URL](#).

2019

Renzo Angles, Harsh Thakkar, and Dominik Tomaszuk. “RDF and Property Graphs Interoperability: Status and Issues.” In *Proceedings of the 13th Alberto Mendelzon International Workshop on Foundations of Data Management, Asunción, Paraguay, June 3-7, 2019*, CEUR-WS.org. [URL](#).

2018

Dominik Tomaszuk. “Inference rules for OWL-P in N3Logic.” In *Communication Papers of the 2018 Federated Conference on Computer Science and Information Systems, FedCSIS 2018, Poznań, Poland, September 9-12, 2018*. pp. 27-33. [DOI](#).

2018

Dominik Tomaszuk and Karol Litman. “DRPD: Architecture for Intelligent Interaction with RDF Prefixes.” In *Proceedings of the 2nd Workshop on Decentralizing the Semantic Web co-located with the 17th International Semantic Web Conference, DeSemWeb ISWC 2018, Monterey, California, USA, October 8, 2018*, CEUR-WS.org. [URL](#).

2018

Dominik Tomaszuk and Lukasz Szeremeta. “Named Property Graphs.” In *Proceedings of the 2018 Federated Conference on Computer Science and Information Systems, FedCSIS 2018, Poznań, Poland, September 9-12, 2018*. pp. 173-177. [DOI](#).

2017

Dominik Tomaszuk. “RDF Validation: A Brief Survey.” In *Beyond Databases, Architectures and Structures. Towards Efficient Solutions for Data Analysis and Knowledge Representation - 13th International Conference, BDAS 2017, Ustroń, Poland, May 30 - June 2, 2017, Proceedings*. pp. 344-355. [DOI](#).

2016

Dominik Tomaszuk. “Inference rules for RDF(S) and OWL in N3Logic.” *CoRR* abs/1601.02650. [URL](#).

2016

Dominik Tomaszuk. “RDF Data in Property Graph Model.” In *Metadata and Semantics Research - 10th International Conference, MTSR 2016, Göttingen, Germany, November 22-25, 2016, Proceedings*. pp. 104-115. [DOI](#).

2016

Dominik Tomaszuk. “RDF Event Stream Processing Based on the Publish-Subscribe Pattern.” In *Multimedia and Network Information Systems - Proceedings of the 10th International Conference MISSI 2016, Wroclaw, Poland, 14-16 September 2016*, Springer. pp. 369-378. [DOI](#).

2015

Dominik Tomaszuk, Lukasz Skonieczny, and David Wood. “RDF Graph Partitions: A Brief Survey.” In *Beyond Databases, Architectures and Structures - 11th International Conference, BDAS 2015, Ustroń, Poland, May 26-29, 2015, Proceedings*, Springer. pp. 256-264. [DOI](#).

2014

Dominik Tomaszuk and Henryk Rybinski. “Grouping Multiple RDF Graphs in the Collections.” In *Beyond Databases, Architectures, and Structures - 10th International Conference, BDAS 2014, Ustron, Poland, May 27-30, 2014. Proceedings*, Springer. pp. 160-169. [DOI](#).

2012

Dominik Tomaszuk, Karol Pak, and Henryk Rybinski. “Trust in RDF Graphs.” In *Advances in Databases and Information Systems - 16th East European Conference, ADBIS 2012, Poznań, Poland, September 18-21, 2012. Proceedings II*, Springer. pp. 273-283. [DOI](#).

2011

Dominik Tomaszuk and Henryk Rybinski. “OAuth+UAO: A Distributed Identification Mechanism for Triplestores.” In *Computational Collective Intelligence. Technologies and Applications - Third*

## Projects

### RDF / Semantic Web / Linked Data

- **[dm-rdf12](#)**: A Python implementation of an RDF 1.2-aware `rdflib` prototype that parses RDF 1.1/1.2, supports GDM/SDM/CDM mappings, and emits YARS-PG or JSON debug output.
- **[rdfl2conv](#)**: A self-contained Python converter and validator for RDF 1.2 N-Triples, N-Quads, Turtle, and TriG, with deterministic serialization and readable Turtle/TriG output.
- **[rdf-interop](#)**: A pure-Python RDF 1.2 interoperability toolkit for format conversion, synthetic benchmark generation, and overhead/statistics analysis for large graphs with quoted triples.
- **[rdfl2-ntriples-parser](#)**: A CLI parser for RDF 1.2 N-Triples that exports SPARQL 1.2 Query Results in CSV or TSV form.
- **[rdflstats\\_stream](#)**: A lightweight streaming tool for bounded-memory analysis of very large RDF graphs that produces predicate distributions, cardinalities, co-occurrence summaries, rules, and plots.
- **[rdflcompare](#)**: A Python utility for comparing RDF files across serializations such as Turtle, JSON-LD, and RDF/XML.
- **[yars](#)**: A small converter from RDF serializations such as Turtle and N-Triples into YARS serialization.
- **[graphConv](#)**: A PG-to-RDF converter that transforms property-graph inputs such as GraphML into RDF serializations including Turtle, JSON-LD, and RDF/XML.
- **[RDF\\_database\\_hashing](#)**: A project focused on developing hashing methods for RDF graphs, with support for multiple RDF input serializations and hash algorithms.
- **[chemskos](#)**: A Semantic Web project based on Skosmos for SKOS-oriented linked-data work in the chemistry domain.
- **[cgdl-conv](#)**: A Common Graph Definition Language converter that targets formats such as JSON, CBOR, XML, TOML, YAML, SHACL, and ShEx.
- **[n3builtins](#)**: A documentation/specification repository for N3 builtin functions, generated into a website and tied to the W3C N3 ecosystem.
- **[N3](#)** (*fork*): A fork of the W3C Notation 3 Community Group repository covering N3 grammar, specification, examples, tests, and builtins-related material.
- **[rdfsurfaces](#)** (*fork*): A repository for RDF Surfaces, a sublanguage of Notation3 intended to express classical first-order logic with negation in RDF.
- **[n3-editor-js](#)** (*fork*): A JavaScript-based editor for Notation3, directly relevant to Semantic Web tooling around N3.
- **[sparql-dev](#)** (*fork*): A fork of the SPARQL Dev Community Group repository that collects issues, proposals, and discussion material for SPARQL evolution.
- **[shex-ucr](#)**: A repository centered on ShEx use cases and requirements in the RDF validation and Semantic Web space.

## Property Graphs / Graph Databases / GQL

- **pgs-gen**: A PG-Schema data generator that produces random property-graph data and exports it to GraphML and GraphSON variants while supporting list-valued properties and PG-Schema semantics.
- **rules-poc**: A lightweight proof-of-concept runner for GQL Rules that executes wrapper-level Cypher rule programs iteratively over Neo4j until fixpoint.
- **gqlrules**: A ready-to-run Neo4j 5 + APOC proof of concept that translates GQL Rules use cases into executable Cypher scripts, views, and verification queries.
- **brc**: A repository dedicated to binary relation constraints in PG-Schema.
- **pg-schema-pc**: An extension of PG-Schema for expressing structural constraints in property graph data models.
- **pgschema**: A repository for PG-Schema grammar, including EBNF, ANTLR grammars, railroad diagrams, and examples.
- **PGDL-conv**: A Property Graph Definition Language converter that maps PGDL to and from formats such as JSON, CBOR, XML, TOML, YAML, and PG-SHACL.
- **BPG**: A repository for efficient and scalable property graph serialization.
- **metadata\_gen**: A Java tool for generating property-graph metadata, developed in the context of the MMLKG project.
- **pgkeysyntax**: A repository for an open-source grammar and parser for PG-Keys.
- **GQL-parser** (*fork*): An ANTLR v4-based parser for GQL created in a graph-query-language research context.
- **gqlrrd**: A repository for GQL railroad diagrams, useful for documenting and visualizing graph query language syntax.

## Knowledge Representation / Ontologies / Graph Query Conceptualization

- **graphquerylangs**: An OWL 2 ontology serialized in Turtle that models a machine-queryable conceptualization of a graph query language domain.

## Conferences

Selected conferences, papers, and presentations.

### Selected conferences and papers

- **FHIR Lens: A Graph-Based Approach to Semantic EHR Exploration**. Madrid, Spain, 2025
- **PG-Schema: Schemas for Property Graphs**. 44th ACM Special Interest Group on Management of Data, Seattle, USA, 2023
- **CoVoMe: New methodology for building controlled vocabulary**. 15th International Conference on Metadata and Semantics Research, Madrid, Spain, 2021
- **A Distributed Graph Data Storage in Ethereum Ecosystem**. 18th International Conference on the Economics of Grids, Clouds, Systems, and Services, Rome, Italy, 2021
- **PGDL: A Interoperable Schema Format for Graphs**. W3C Workshop on Web Standardization for Graph Data, Berlin, Germany, 2019

- **YARS-PG: Serialization for Property Graphs.** W3C Workshop on Web Standardization for Graph Data, Berlin, Germany, 2019
- **Inference rules for OWL-P in N3Logic.** 13th Federated Conference on Computer Science and Information Systems, Poznan, Poland, 2018
- **Named Property Graphs.** 13th Federated Conference on Computer Science and Information Systems, Poznan, Poland, 2018
- **RDF validation: a brief survey.** 13th International Conference Beyond Databases Architectures and Structures, Ustron, Poland, 2017
- **RDF Data in Property Graph Model.** Metadata and Semantics Research, 10th International Conference, MTSR'16, Gottingen, Germany, 2016
- **RDF Event Stream Processing based on the Publish-Subscribe pattern.** International Conference on Multimedia & Network Information Systems, Wroclaw, Poland, 2016
- **Grouping Multiple RDF Graphs in the Collections.** 10th International Conference Beyond Databases, Architectures and Structures, Ustron, Poland, 2014
- **Trust in RDF Graphs.** 16th East-European Conference on Advances in Databases and Information Systems, Poznan, Poland, 2012
- **WebID+ACO: A distributed identification mechanism for social web.** Workshop on Social Network, Interoperability and Privacy, Berlin, Germany, 2011
- **Temporary RDF graphs in the Linked Data and REST style.** Linked Enterprise Data Patterns Workshop, Cambridge, USA, 2011
- **Managing a graph store in the Linked Data and REST style.** Linked Enterprise Data Patterns Workshop, Cambridge, USA, 2011

#### Other presentations

- **How to compare data formats?.** Curico, Chile, 2019
- **ChemSKOS: cheminformatics Linked Data.** Santiago, Chile, 2019
- **RDF schemas and constraints.** Helsinki, Finland, 2017

#### Service

Academic service includes reviewing and program-committee work across data management, semantic technologies, graph data, and applied AI.

#### Reviewing activity

- *ACM Computing Surveys*
- *Computer Science Review*
- *VLDB Journal*
- *IEEE Transactions on Knowledge and Data Engineering*
- *PLOS One*
- *IEEE Access*
- *Big Data*
- *Data & Knowledge Engineering*
- *SoftwareX*
- *Semantic Web Journal*
- *Big Data and Cognitive Computing*
- *Knowledge and Information Systems*

- *Data in Brief*
- *Journal of Intelligent Information Systems*
- *Discover Artificial Intelligence*
- *Symmetry*
- *Sensors*
- *ISPRS International Journal of Geo-Information*
- *Electronics*
- *Sustainability*
- *Applied Sciences*
- *Mathematics*
- *Discover Public Health*
- *Digital Discovery*
- *International Journal of Approximate Reasoning*
- *Journal of Cheminformatics*
- and other venues

### **Program committees**

- International Semantic Web Conference 2026: Research Track
- SEMANTiCS 2026: Posters and Demos Track
- Extended Semantic Web Conference 2026: Resources Track
- K-CAP 2025
- International Semantic Web Conference 2025: Research Track
- International Semantic Web Conference 2025: Posters and Demos
- Joint Workshop on Graph Data Management Experiences & Systems (GRADES) and Network Data Analytics (NDA) 2025
- International Rule Challenge @ RuleML+RR 2024
- Declarative AI 2022
- Squaring the Circle on Graphs: Reconciling Property Graphs and Semantic Graphs 2021
- International Semantic Web Conference 2018 Workshop on Decentralizing the Semantic Web
- International Semantic Web Conference 2017 Workshop on Decentralizing the Semantic Web
- and other events

### **Membership in societies and organizations**

- Graph Data Council (LEX Working Group)
- Linked Data Benchmark Council, including the Property Graph Schema Working Group and LEX Working Group
- Association for Computing Machinery
- International Organization for Standardization via LDBC/GBC, including ISO/IEC JTC1 SC27, ISO/IEC JTC1 SC34, and ISO/IEC JTC1 SC38
- Polish Committee for Standardization, Technical Committee No. 182
- World Wide Web Consortium, including the RDF & SPARQL Working Group, WebID Community Group, Read Write Web Community Group, JSON for Linking Data Community Group, and HTML Working Group
- Internet Engineering Task Force, including Atom Publishing Format and Protocol, and JSON

### **Expert and competition teams**

- Council of Experts of the Free and Open Source Software Foundation
- The Technotalent Competition Jury of the University of Bialystok