

Publications of Aidan Hogan by year

Year 2014

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2. Emir Muñoz, Aidan Hogan, Alessandra Mileo. Using Linked Data to Mine RDF from Wikipedia's Tables. In *Proc. 7th International ACM Web Search and Data Mining Conference (WSDM)*, pp. 533-542, Feb 2014. New York, NY, USA. ACM Press, New York, NY, USA. ISBN 978-1-4503-2351-2.
3. Aidan Hogan. *Reasoning Techniques for the Web of Data*. 344 pages, May 2014. IOS Press, Amsterdam, The Netherlands. ISBN 978-1-61499-382-7. Studies on the Semantic Web vol. 19.
4. Aidan Hogan, Claudio Gutierrez. Paths towards the Sustainable Consumption of Semantic Data on the Web. In Georg Gottlob, Jorge P'erez (ed.), *Proc. 8th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW)*, pp. 1-3, Jun 2014. Cartagena, Colombia. CEUR Publications. CEUR Workshop Proceedings.
5. Muntazir Mehdi, Aftab Iqbal, Aidan Hogan, Ali Hasnain, Yasar Khan, Stefan Decker, Ratnesh Sahay. Discovering Domain-Specific Public SPARQL Endpoints: A Life-Sciences Use-Case. In Bipin C. Desai (ed.), *Proc. International Database Engineering & Applications Symposium (IDEAS)*, pp. 39-45, Jul 2014. Porto, Portugal. ACM Press, New York, NY, USA. ISBN 978-1-4503-2627-8.
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7. Olaf Hartig, Aidan Hogan, Juan Sequeda, ed. *Proceedings of the 5th Consuming Linked Data (COLD)*, Oct 2014. Riva del Garda, Italy. CEUR Publications. ISBN 0074-1264-1. <http://ceur-ws.org/Vol-1264/>.
8. Yasar Khan, Muhammed Salem, Aftab Iqbal, Muntazir Mehdi, Aidan Hogan, Panagiotis Hasapis, Axel-Cyrille Ngonga Ngomo, Stefan Decker, Ratnesh Sahay. SAFE: Policy Aware SPARQL Query Federation Over RDF Data Cubes. In Adrian Paschke, Albert Burger, Paolo Romano, M. Scott Marshall, Andrea Splendiani (ed.), *Proc. 7th International Workshop on Semantic Web Applications and Tools for Life Sciences (SWAT4LS)*, pp. 1-15, Dec 2014. Berlin, Germany. CEUR Publications.

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1. Aidan Hogan. Skolemising Blank Nodes while Preserving Isomorphism. In *Proc. 24th International World Wide Web Conference (WWW)*, pp. 430-440, 2015. Florence, Italy. ACM

Press, New York, NY, USA.

2. Benjamin Bustos, Aidan Hogan. IMGpedia: A Proposal to Enrich DBpedia with Image Meta-Data. In Andrea Cali, Maria-Esther Vidal (ed.), *Proc. 9th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW)*, pp. 35-39, May 2015. Lima, Peru. CEUR Publications. CEUR Workshop Proceedings.
3. Olaf Hartig, Aidan Hogan, Juan Sequeda, ed. *Proceedings of the 6th Consuming Linked Data (COLD)*, Oct 2015. Bethlehem, Pennsylvania, US. CEUR Publications. <http://ceur-ws.org/Vol-1426/>.
4. Luca Matteis, Aidan Hogan, Roberto Navigli. Keyword-Based Navigation and Search over the Linked Data Web. In *Proc. Linked Data on the Web (LDOW)*, May 2015. Florence, Italy. CEUR Publications.
5. Daniel Hernández, Aidan Hogan, Markus Krötzsch. Reifying RDF: What Works Well With Wikidata?. In *Proc. 11th Scalable Semantic Web Systems (SWSS)*, pp. 32-47, Oct 2015. CEUR Publications.
6. Muhammed Salem, Muhammed Intizar Ali, Aidan Hogan, Qaiser Mehmood, Axel-Cyrille Ngonga Ngomo. LSQ: The Linked SPARQL Queries Dataset. In *Proc. 14th International Semantic Web Conference (ISWC)*, pp. 261-269, Oct 2015. Bethlehem, PA, USA. Data Sets and Ontologies track.
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2. Sebastian Ferrada, Benjamin Bustos, Aidan Hogan. IMGpedia: Enriching the Web of Data with Image Content Analysis. In Reinhard Pichler, Altigran Soares da Silva (ed.), *Proc. 10th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW)*, pp. article 22, May 2016. Panama City, Panama. CEUR Publications. CEUR Workshop Proceedings.
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International Workshop on Foundations of Data Management (AMW), pp. article 13, May 2016. Panama City, Panama. CEUR Publications. CEUR Workshop Proceedings.

4. Ali Hasnain, Qaiser Mehmood, Syeda Sana e Zainab, Aidan Hogan. SPORAL: Profiling the Content of Public SPARQL Endpoints. *International Journal on Semantic Web and Information Systems (IJSWIS)* 12(3):134-163, 2016. IGI Global, Hershey, PA, USA. ISSN 1552-6283.
5. Daniel Hernández, Aidan Hogan, Cristian Riveros, Carlos Rojas, Enzo Zerega. Querying Wikidata: Comparing SPARQL, Relational and Graph Databases. In *Proc. 15th International Semantic Web Conference (ISWC)*, pp. 88-103, Oct 2016. Kobe, Japan.
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8. Teresa Bracamonte, Aidan Hogan, Bárbara Poblete. Applying Community Detection Methods to Cluster Tags in Multimedia Search Results. In *Proc. IEEE International Symposium on Multimedia (ISM)*, pp. paper 96, 2016. IEEE Computer Society Press, Los Alamitos, CA, USA.

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5. Renzo Angles, Pablo Barceló, Marcelo Arenas, Aidan Hogan, Juan Reutter, Domagoj Vrgoc. Foundations of Modern Query Languages for Graph Databases. *ACM Computing Surveys (CSUR)* 50(5), Oct 2017. ACM Press, New York, NY, USA. ISSN 0360-0300.

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7. Henry Rosales-Méndez, Bárbara Poblete, Aidan Hogan. Multilingual Entity Linking: Comparing English and Spanish. In *Proc. 5th Linked Data for Information Extraction Workshop (LD4IE)*, pp. 62-73, Oct 2017. Vienna, Austria. CEUR Publications.
8. Sebastian Ferrada, Benjamin Bustos, Aidan Hogan. Answering Visuo-Semantic Queries with IMGpedia. In *Proc. 16th International Semantic Web Conference (ISWC)*, pp. paper 615, Oct 2017. Vienna, Austria. ISBN 978-3-319-68203-7. Posters, Demos and Industry Tracks.

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1. Larry González, Aidan Hogan. Modelling Dynamics in Semantic Web Knowledge Graphs with Formal Concept Analysis. In *Proc. 27 International World Wide Web Conference (WWW)*, pp. 1175-1184, Apr 2018. Lyon, France. ACM Press, New York, NY, USA.
2. Tomás Sáez, Aidan Hogan. Automatically Generating Wikipedia Info-boxes from Wikidata. In *Proc. Wiki Workshop (Wiki)*, pp. 1823-1830, Apr 2018. Lyon, France. ACM Press, New York, NY, USA.
3. Sebastian Ferrada, Nicolás Bravo, Benjamin Bustos, Aidan Hogan. Querying Wikimedia Images using Wikidata Facts. In *Proc. Wiki Workshop (Wiki)*, pp. 1815-1821, Apr 2018. Lyon, France. ACM Press, New York, NY, USA.
4. Aidan Hogan. Profiling Graphs: Order from Chaos. In *Proc. International Workshop on Profiling and Searching Data on the Web (PROFILES)*, pp. 1481-1482, Apr 2018. Lyon, France. ACM Press, New York, NY, USA.
5. Larry González, Aidan Hogan. A Data-Driven Graph Schema. In *Proc. 12th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW)*, pp. paper 23, May 2018. Cali, Colombia. CEUR Publications. CEUR Workshop Proceedings.
6. Henry Rosales-Méndez, Bárbara Poblete, Aidan Hogan. What Should Entity Linking link?. In *Proc. 12th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW)*, pp. paper 10, May 2018. Cali, Colombia. CEUR Publications. CEUR Workshop Proceedings.
7. Gonzalo Tartari, Aidan Hogan. WiSP: Weighted Shortest Paths for RDF Graphs. In Valentina Ivanova, Patrick Lambrix, Steffen Lohmann, Catia Pesquita (ed.), *Proc. 4th International Workshop on Visualization and Interaction for Ontologies and Linked Data (VOILA)*, pp. 37-52, Oct 2018. Monterey, CA, USA. CEUR Publications.
8. Tim Berners-Lee, Sarven Capadisli, Stefan Dietze, Aidan Hogan, Krzysztof Janowicz, Jens Lehmann, ed. *Proceedings of the 11th Linked Data on the Web (LDOW)*, Apr 2018. Lyon, France. CEUR Publications.

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10. Henry Rosales-Méndez, Aidan Hogan, Bárbara Poblete. VoxEL: A Benchmark Dataset for Multilingual Entity Linking. In *Proc. 17th International Semantic Web Conference (ISWC)*, pp. 170-186, Oct 2018. Monterey, CA, USA. ISBN 978-3-030-00667-9. Resources Track.
11. José Moreno-Vega, Aidan Hogan. GraFa: Scalable Faceted Browsing for RDF Graphs. In *Proc. 17th International Semantic Web Conference (ISWC)*, pp. 301-317, Oct 2018. Monterey, CA, USA. ISBN 978-3-030-00667-9.
12. Daniel Hernández, Claudio Gutierrez, Aidan Hogan. Certain Answers for SPARQL with Blank Nodes. In *Proc. 17th International Semantic Web Conference (ISWC)*, pp. 337-353, Oct 2018. Monterey, CA, USA. ISBN 978-3-030-00667-9.
13. José Moreno-Vega, Aidan Hogan. GraFa: Faceted Search & Browsing for the Wikidata Knowledge Graph. In *Proc. 17th International Semantic Web Conference (ISWC)*, pp. article 44, Oct 2018. Monterey, CA, USA. ISBN 978-3-030-00667-9. Demo.
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2. Aidan Hogan, Tova Milo, ed. *Proceedings of the 13th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW)*, Jun 2019. Asunción, Paraguay. CEUR Publications. CEUR Workshop Proceedings vol. 2369.
3. Chiara Ghidini, Olaf Hartig, Maria Maleshkova, Vojtech Svátek, Isabel F. Cruz, Aidan Hogan, Jie Song, Maxime Lefrançois, Fabien Gandon, ed. *Proceedings of the 18th International Semantic Web Conference (ISWC)*, Oct 2019. Auckland, New Zealand. ISBN 978-3-030-30792-9.

4. Hernán Vargas, Carlos Buil-Aranda, Aidan Hogan, Claudia López. RDF Explorer: A Visual SPARQL Query Builder. In *Proc. 18th International Semantic Web Conference (ISWC)*, pp. 647-663, Oct 2019. Auckland, New Zealand. ISBN 978-3-030-30792-9.
5. Aidan Hogan, Cristian Riveros, Carlos Rojas, Adrián Soto. A Worst-Case Optimal Join Algorithm for SPARQL. In *Proc. 18th International Semantic Web Conference (ISWC)*, pp. 258-275, Oct 2019. Auckland, New Zealand. ISBN 978-3-030-30792-9.
6. José Miguel Herrera, Aidan Hogan, Tobias Käfer. BTC-2019: The 2019 Billion Triple Challenge Dataset. In *Proc. 18th International Semantic Web Conference (ISWC)*, pp. 163-180, Oct 2019. Auckland, New Zealand. ISBN 978-3-030-30792-9. Resources Track.
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8. Muhammad Saleem, Aidan Hogan, Ricardo Usbeck, Axel-Cyrille Ngonga Ngomo, Ruben Verborgh, ed. *Proceedings of the 3rd International Workshop on Querying and Benchmarking the Web of Data (QuWeDa)*, Oct 2019. Auckland, New Zealand. CEUR Publications. CEUR Workshop Proceedings.
9. Alberto Moya Loustaunau, Aidan Hogan. Estimating the Dynamics of SPARQL Query Results Using Binary Classification. In Muhammad Saleem, Aidan Hogan, Ricardo Usbeck, Axel-Cyrille Ngonga Ngomo, Ruben Verborgh (ed.), *Proc. 3rd International Workshop on Querying and Benchmarking the Web of Data (QuWeDa)*, pp. 5-20, Oct 2019. Auckland, New Zealand. CEUR Publications. CEUR Workshop Proceedings.
10. Henry Rosales-Méndez, Aidan Hogan, Bárbara Poblete. Fine-Grained Evaluation for Entity Linking. In *Proc. Empirical Methods in Natural Language Processing (EMNLP)*, pp. 718-727, Nov 2019. Hong Kong. Association for Computational Linguistic. ISBN 978-1-950737-90-1.

Year 2020

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3. Hernán Vargas, Carlos Buil-Aranda, Aidan Hogan, Claudia López. A User Interface for Querying and Exploring Knowledge Graphs (Extended Abstract). In *Proc. 29th International Joint Conferences on Artificial Intelligence (IJCAI)*, pp. 4785-4789, Jul 2020. ISBN 978-0-9992411-6-5. Invited paper (Best Papers in Sister Conferences Track).
4. Aidan Hogan. *The Web of Data*. 680 pages, Oct 2020. Springer Nature Switzerland AG, Cham, Switzerland. ISBN 978-3-030-51579-9.

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8. Sebastian Ferrada, Benjamin Bustos, Aidan Hogan. Extending SPARQL with Similarity Joins. In *Proc. 19th International Semantic Web Conference (ISWC)*, pp. 201-217, Nov 2020. ISBN 978-3-030-62419-4.
9. Aidan Hogan, Juan Reutter, Adrián Soto. In-Database Graph Analytics with Recursive SPARQL. In *Proc. 19th International Semantic Web Conference (ISWC)*, pp. 511-528, Nov 2020. ISBN 978-3-030-62419-4.
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11. Marco Caballero, Aidan Hogan. Global Vertex Similarity for Large-Scale Knowledge Graphs. In Lucie-Aimée Kaffee, Oana Tifrea-Marcuska, Elena Simperl, Denny Vrandečić (ed.), *Proc. 1st Wikidata Workshop (Wikidata)*, pp. paper 16, Nov 2020. Virtual Event. CEUR Publications.
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13. Manolis Koubarakis, Harith Alani, Grigoris Antoniou, Kalina Bontcheva, John Breslin, Diego Collarana, Elena Demidova, Stefan Dietze, Simon Gottschalk, Guido Governatori, Aidan Hogan, Freddy Lecue, Elena Montiel Ponsoda, Axel-Cyrille Ngonga Ngomo, Sofia Pinto, Muhammad Saleem, Raphael Troncy, Eleni Tsalapati, Ricardo Usbeck, Ruben Verborgh, ed. *Proceedings of the 1st Advances in Semantics and Linked Data (ASLD)*, Nov 2020. Virtual Event. CEUR Publications.

Year 2021

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3. Alberto Moya Loustaunau, Aidan Hogan. Predicting SPARQL Query Dynamics. In Anna Lisa Gentile, Rafael Gonçalves (ed.), *Proc. 11th International Conference on Knowledge Capture (K-CAP)*, pp. 161-168, Dec 2021. Online. ACM Press, New York, NY, USA. ISBN 978-1-4503-8457-5.
4. Felipe Manen, Aidan Hogan. OpenCSMap: A System for Geolocating Computer Science Publications. In *Proc. 20th International Semantic Web Conference (ISWC)*, pp. paper 382, Oct 2021. Online. Poster & Demo Paper.
5. Tamara Novoa Rodriguez, Aidan Hogan. COVIDCube: An RDF Data Cube for Exploring Among-Country COVID-19 Correlations. In *Proc. 20th International Semantic Web Conference (ISWC)*, pp. paper 395, Oct 2021. Online. Poster & Demo Paper.
6. Gabriel de la Parra, Aidan Hogan. Fast Approximate Autocompletion for SPARQL Query Builders. In *Proc. 6th International Workshop on Visualization and Interaction for Ontologies and Linked Data (VOILA)*, pp. 41-55, Oct 2021. Online. CEUR Publications.
7. Ruben Verborgh, Anastasia Dimou, Aidan Hogan, Claudia d'Amato, Ilaria Tiddi, Arne Bröring, Simon Maier, Femke Ongenae, Riccardo Tommasini, Mehwish Alam, ed. *Proceedings of the 18th European Semantic Web Conference (ESWC)*, Jun 2021. Online. Springer-Verlag, Berlin/Heidelberg, Germany. ISBN 978-3-030-80417-6. Lecture Notes in Computer Science.
8. Lucie-Aimée Kaffee, Simon Razniewski, Aidan Hogan, ed. *Proceedings of the 2nd Wikidata Workshop (Wikidata)*, Oct 2021. Online. CEUR Publications.
9. Aidan Hogan, Eva Blomqvist, Michael Cochez, Claudia d'Amato, Gerard de Melo, Claudio Gutierrez, Sabrina Kirrane, José Emilio Labra Gayo, Roberto Navigli, Sebastian Neumaier, Axel-Cyrille Ngonga Ngomo, Axel Polleres, Sabbir M. Rashid, Anisa Rula, Lukas Schmelzeisen, Juan F. Sequeda, Steffen Staab, Antoine Zimmermann. *Knowledge Graphs*. 257 pages, Nov 2021. Morgan & Claypool Publishers, San Francisco, CA, USA. ISBN 9781636392356. Data, Semantics, and Knowledge vol. 22.

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11. Jhomara Luzuriaga, Emir Muñoz, Henry Rosales-Méndez, Aidan Hogan. Merging Web Tables for Relation Extraction with Knowledge Graphs. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 35(2):1803-1816, 2023. IEEE Press, Piscataway, NJ, USA. ISSN 1041-4347.

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3. Oren Kalinsky, Aidan Hogan, Oren Mishali, Yoav Etsion, Benny Kimelfeld. Exploration of Knowledge Graphs via Online Aggregation. In *Proc. 38th IEEE International Conference on Data Engineering (ICDE)*, pp. 2695-2708, 2022. Kuala Lumpur, Malaysia. IEEE Press, Piscataway, NJ, USA.
4. Renzo Angles, Carlos Buil-Aranda, Aidan Hogan, Carlos Rojas, Domagoj Vrgoc. WDBench: A Wikidata Graph Query Benchmark. In *Proc. 21st International Semantic Web Conference (ISWC)*, pp. 714-731, Oct 2022. Online. ISBN 978-3-031-19432-0. Resources Track.
5. Ulrike Sattler, Aidan Hogan, C. Maria Keet, Valentina Presutti, João Paulo A. Almeida, Hideaki Takeda, Pierre Monnin, Giuseppe Pirro, Claudia d'Amato, ed. *Proceedings of the 21st International Semantic Web Conference (ISWC)*, Oct 2022. Online. ISBN 978-3-031-19432-0.
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9. Aidan Hogan. Technical Perspective - No PANE, No Gain: Scaling Attributed Network Embedding in a Single Server. *SIGMOD Record* 51(1):41, Jul 2022. ACM Press, New York, NY, USA. ISSN 0163-5808.
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2. Jaime Salas, Aidan Hogan. A Taxonomy of Basic Graph Pattern Motifs for Understanding SPARQL Query Logs. In *Proc. 15th Alberto Mendelzon International Workshop on Foundations of Data Management (AMW)*, pp. 1-11, May 2023. Santiago, Chile. CEUR Publications. CEUR Workshop Proceedings vol. 3409.
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