

Ana Ozaki

Personal Information

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Formal Education

Doctorate in Computer Science

Institution: University of Liverpool, UK, 2016.
Title: Exact Learning of Description Logic Ontologies
Supervisors: Prof. Frank Wolter and Prof. Boris Konev

Master in Informatics

Institution: University of Brasilia (UnB) - Brasilia, DF, Brazil, 2012.
Title: Ontology Management in Ubiquitous Environments
Supervisors: Dr. Carla Denise Castanho and Dr. Ricardo Pezzuol Jacobi

Bachelor in Computer Science

Institution: University of Brasilia (UnB) - Brasilia, DF, Brazil, 2009.
Title: Gesture Recognition using Computer Vision
Supervisor: Dr. Díbio Leandro Borges

Awards & Recognitions

Distinguished IJCAI-ECAI PC Member, 2018
Distinguished Paper at the International Semantic Web Conference, 2017.
E.M. Gold Award at Algorithmic Learning Theory, 2015.

Publications

2019

Bourgau, C. ; Ozaki, A.: Querying Attributed DL-Lite Ontologies using Provenance Semirings. Accepted in The Thirty-Third AAAI Conference on Artificial Intelligence (AAAI), 2019.

2018

Duarte, R. ; Konev, B. ; Ozaki, A. : ExactLearner: a Tool for Exact Learning of EL Ontologies. In International Conference on Principles of Knowledge Representation and Reasoning (KR), 2018.

Ozaki, A. ; Peñaloza, R. : Consequence-Based Axiom Pinpointing. In International Conference on Scalable Uncertainty Management (SUM), 2018.

Montserrat Hermo, Ana Ozaki: Exact learning of multivalued dependency formulas. Theoretical Computer Science (TCS), 2018.

Krötzsch M.; Marx M.; Ozaki A.; Thost V., Attributed Description Logics: Reasoning on Knowledge Graphs. In: International Joint Conference on Artificial Intelligence (IJCAI), 2018.

Carral, D.; Krötzsch M.; Marx M.; Ozaki A.; Rudolf S., Preserving Constraints with the Stable Chase. In: International Conference on Database Theory (ICDT), 2018.

2017

Konev, B. ; Lutz, C. ; Ozaki, A. ; Wolter, F., Exact Learning of Lightweight Description Logic Ontologies. In: Journal of Machine Learning Research, 2017.

Krötzsch M.; Marx M.; Ozaki A.; Thost V., Attributed Description Logics: Ontologies for Knowledge Graphs. In: International Semantic Web Conference (ISWC), 2017. **(Distinguished Research Paper)**

Baader F.; Borgwardt S.; Koopmann P.; Ozaki A.; Thost V, Metric Temporal Description Logics with Interval-Rigid Names. In: Frontiers of Combining Systems (FroCos), 2017.

Hustadt U.; Ozaki A.; Dixon C., Theorem Proving for Metric Temporal Logic over the Naturals. In: International Conference on Automated Deduction (CADE), 2017.

2016

Ozaki, A.: Exact Learning of Description Logic Ontologies. PhD Thesis.

Gutierrez-Basulto, Víctor; Ozaki, A.; Jung, J., On Metric Temporal Description Logics. In: The 22nd European Conference on Artificial Intelligence (ECAI-16).

Konev, B.; Ozaki, A.; Wolter, F., A Model for Learning Description Logic Ontologies Based on Exact Learning. In: The Thirtieth AAAI Conference on Artificial Intelligence (AAAI-16).

2015

Herme, M.; Ozaki, A., Exact Learning of Multivalued Dependencies. In: Algorithmic Learning Theory (ALT), 2015. **(E. M. Gold Award)**

Hernich, A.; Lutz, C.; Ozaki, A.; Wolter, F.; Schema.org as a Description Logic. In: The Twenty-Fourth International Joint Conference on Artificial Intelligence (IJCAI-15).

Konev, B. ; Ozaki, A. ; Wolter, F., Exact Learning Description Logic Ontologies from Data Retrieval Examples. In: 28th International Workshop on Description Logics, 2015.

2014

Konev, B. ; Lutz, C. ; Ozaki, A. ; Wolter, F., Exact Learning of Lightweight Description Logic Ontologies. In: 14th International Conference on Principles of Knowledge Representation and Reasoning (KR) - Vienna Summer of Logic, 2014.

Reviewing

Conference PC membership:

Conference on Artificial Intelligence (AAAI), 2019.

International Joint Conference on Artificial Intelligence (IJCAI), 2018.

Seminar on Ontology Research in Brazil (Ontobras), 2018.

Journal Reviewer:

Journal of Computer and System Sciences.

Journal of Machine Learning Research.

Journal of Web Semantics.

Teaching Experience

Free University of Bozen-Bolzano - Advanced Logic

Period: Semester 01/2018

Description: Tutor for 8 master students.

Main activities: Discuss with students lists of exercises.

Free University of Bozen-Bolzano - Integrated Logic Systems

Period: Semester 01/2018

Description: Tutor for 8 master students.

Main activities: Discuss with students lab activities.

University of Liverpool - Logic in Computer Science

Period: Semester 01/2014

Description: Demonstrator for 2 groups, 15 undergraduate students per group.

Main activities: Discuss with students lists of exercises.

University of Liverpool - Foundations of Computer Science

Period: Semester 02/2013 and Semester 02/2014

Description: Demonstrator for 2 groups, 15 undergraduate students per group.

Main activities: Discuss with students lists of exercises.

Student Supervision/Co-supervision

Andrea Mazzullo (PhD Student)

Research Topic: Temporal Logic over Finite Traces

Institution: Free University of Bozen-Bolzano

Year: 2018 (on going)

Ricardo Duarte (Master Student)

Thesis Title: Exact Learning of \mathcal{EL} Ontologies

Institution: Dresden University of Technology

Year: 2017/2018

Liyi Zhao (Bachelor Student)

Thesis Title: Ontology Learning

Institution: University of Liverpool

Year: 2014

Languages

English fluent.

Portuguese fluent.

Italian basic.

German basic.

Useful Links

DBLP: <https://dblp.uni-trier.de/pers/hd/o/Ozaki:Ana>

Updated: November 9, 2018