

Eva Blomqvist

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CV

SUMMARY & RESEARCH INTERESTS

My main research focus is on applied and industry-relevant research in the area of the Semantic Web and AI. In particular, my focus is on knowledge representation, such as ontologies and knowledge graphs, including ontology-based applications and ontology engineering, and its combination with modern Machine Learning. An important concept throughout my research career has been the notion of ontology design patterns, which was first developed and explored during my PhD. In parallel with another researcher (a later colleague at ISTC-CNR), I was the first to coin the term 'ontology design pattern', in 2005, and then to define and explore it further.

My PhD dissertation focused on semi-automatic generation of ontologies, so-called 'ontology learning', and improving that process based on design patterns. Later, in my postdoc work, the focus shifted towards manual use of ontology design patterns, evaluating their use and usefulness, and developing methods, tools, and methodologies for using them. More recently, my involvement in the Security Link national research network has provided valuable experience in knowledge-based applications in the security domain, in particular decision support systems. In my work at RISE, similar ideas and solutions have been applied also to the e-health domain. I have published more than 40 peer-reviewed original scientific papers in journals and conference proceedings, and in addition a number of book chapters, workshop contributions, and discussion papers. I currently have a Google scholar h-index of 22 and an i10-index of 37.

In addition to my research work, I have been very active in the Semantic Web research community, served on editorial boards and as a reviewer, as well as chaired several international conferences and workshops, e.g., as the general chair of ESWC 2017, which is the second largest yearly international conference on Semantic Web research. I have also edited around 20 collections of scientific articles. I am the chair of the Association for Ontology Design and Patterns, since 2016, a member of the board of the Swedish AI Society, as well as a member of the department board at the Computer and Information Science Department at Linköping University. At the university I am also involved in teaching, and has among other things developed several PhD courses on Semantic Web technologies, as well as a commissioned course on the same topics given at Scania IT in 2019.

PROFESSIONAL EXPERIENCE

2019-12-01 – present

Associate Professor in Computer Science (Biträdande professor i datalogi)

Linköping University, Department of Computer and Information Science.

2019-07 – present

Consultant

Consulting contract for Scania IT, Södertälje, through LiU Spetsa, on an hourly basis, for supporting the implementation of semantic technologies at Scania.

2016-04-01 – 2019-11-30

Senior Lecturer in Computer Science (Universitetslektor i datalogi)

Linköping University, Department of Computer and Information Science.

2019-01-01 – 2019-12-31

Senior Researcher

RISE SICS East, Linköping

Project employment (part time, 25%) within the research project E-care@home at the national RISE institute.

2015-09-01 – 2018-03-31

Senior Researcher

RISE SICS East (formerly SICS East Swedish ICT AB), Linköping

Project employment (part time, 50%) within the research project E-care@home at the national RISE institute.

2011-07-05 – 2016-03-31

Assistant professor (Forskarassistent)

Linköping University, Department of Computer and Information Science

Employed through the national strategic research centre in the area of Security and Crisis Management, SecurityLink.

2010-09-15 – 2011-07-04

Acting Assistant Professor in Computer Science (Tillförordnad lektor)

Jönköping University, School of Engineering.

2011-02-16 – 2013-02-16

Researcher (Contratto d'opera)

ISTC-CNR, Rome, Italy

Contratto d'opera nell'ambito del progetto Europeo 'INTERACTIVE KNOWLEDGE STACK FOR SMALL TO MEDIUM CMS/KMS PROVIDERS' (approximate English translation: work contract within the European project 'INTERACTIVE KNOWLEDGE STACK FOR SMALL TO MEDIUM CMS/KMS PROVIDERS'). Part time contract.

2009-01-16 – 2011-01-16

Postdoc Researcher (Assegno di ricerca)

ISTC-CNR, Rome, Italy

Assegno di ricerca, sul tema: "Ingegneria della conoscenza, con speciale attenzione alla progettazione di ontologie e alla reingegnerizzazione semantica di dati eterogenei sul Web" (approximate English translation: Research fellowship, postdoc, on subject: 'Knowledge engineering, with specific focus on design of ontologies and semantic reengineering of heterogeneous data on the Web'). Full time 2009-01-16 to 2010-09-14 (initially a one-year assignment, prolonged January 2010 until 2011-12-31), then part time until contract was terminated on the contractor's request 2011-01-16.

2003-08-18 – 2009-01-19

PhD student (Doktorand)

Jönköping University, School of Engineering

POSTDOC

2009-01-16 – 2010-09-14

Postdoc

ISTC-CNR, Rome, Italy

Postdoc project focused on the use of ontology design patterns in ontology engineering, evaluating their use and usefulness, and developing methods and methodologies for pattern use. Participated in the EU FP6 project NeOn and the EU FP7 project IKS.

ACADEMIC DEGREES & QUALIFICATIONS

2017

Docent in Computer Science

Linköping University

2009

PhD in Computer Science

Linköping University, Department of Computer and Information Science

Note that employment was with Jönköping University throughout the PhD work, and all the main research activities, including supervision, were done at Jönköping University.

2003

Master of Science in Computer Science and Engineering (Civ. ing. D)

Linköping University

PERIODS OF LEAVE

2020-01-13 – 2020-04-09

Parental leave (10%)

2019-08-19 – 2019-12-20

Parental leave (25%)

2019-01-01 – 2019-12-31

Leave of absence (25%)

Leave of absence from Linköping University, to work part-time at RISE SICS East.

2018-05-02 – 2019-01-14

Parental leave (100%)

2015-09-01 – 2018-03-31

Leave of absence (50%)

Leave of absence from Linköping University, to work part-time at RISE SICS East.

2015-04-16 – 2015-06-27

Parental leave (25%)

2015-01-19 – 2015-04-16

Parental leave (50%)

2014-01-21 – 2014-08-31

Parental leave (100%)

AWARDS & HONOURABLE MENTIONS

2019

Best research track reviewer, honourable mention at the 18th International Semantic Web Conference (ISWC) 2020, October 26-30, Auckland, New Zealand.

2019

Best research paper award at the SEMANTICS 2019 conference, for the paper entitled "*RSP-QL*: Enabling Statement-Level Annotations in RDF Streams*".

2017

Best reviewer award at the 9th International Conference on Knowledge Capture (K-CAP) December 4th-6th, 2017.

GRANTS

2018 – 2021

Scalable privacy preserving intelligence analysis for resolving identities (SPIRIT)
EU H2020-SEC

Part of the LiU project team, working on graph data infrastructure, data modelling and ontologies. Coordinator: Lutech SPA. 17 partners in total. Grant agreement No 786993.

2018 – 2019

Implementation of an ontology for syndromic classification of animal health data (AHSO)

Vinnova

Consultant in a Vinnova-funded project coordinated by SVA.

2014 – 2018

Visual Analytics for Sense-making in Criminal Intelligence Analysis (VALCRI)

EU FP7-SEC

Co-applicant and leader of the Data Management and Ontologies groups within the project. Coordinator: Middlesex University, UK. 17 partners in total. Grant from the European Commission FP7- SEC 2012, IP, European Commission Grant Agreement N° FP7-IP-608142, grant duration 44 months (prolonged 6 months), starting from May 2014.

2012 – 2017

Semantic Technologies for Decision Support - A Pattern-based Approach

CENIIT (Linköping University)

Project leader and main applicant. Grant of 475KSEK per year, renewed application every year. Grant received for the maximum period (6 years).

2014 – 2015

Länkade Geodata - att öppna upp guldgruvan av offentliga geodata för innovation

Vinnova

Co-applicant and principal investigator from the LiU side. Project coordinator: Lantmäteriet. Other partners: Naturvårdsverket, MSB, SGU, Novogit AB, FpX AB. Total grant: 494KSEK, project duration: 8 months, 2014-2015.

2014 – 2015

DEFRAM 2

Energimyndigheten

Project leader and main applicant. Grant of 484KSEK, duration 14 months, 2014-2015.

2012 – 2013

DEFRAM

Energimyndigheten

Project leader and main applicant. Project title: “DEFRAM - Databas för Effektivare FRAMtagning av energikartläggningar” Grant of 320KSEK, duration 5 months, 2012- 2013.

2012

Länkade öppna data i Sverige – portal och nationell statistik

Vinnova

Project leader and main applicant. Project partners: SCB, Malmö högskola, Metasolutions AB. Total grant of 399KSEK, duration 6 months, 2012.

2011 – 2012

Attraktiv region genom ett hållbart, effektivt och tryggt samhälle

Vinnova

Co-applicant and principal investigator from the LiU side. Main applicant: Saab AB. Total grant of 750KSEK, duration 5 months, 2011-2012.

REVIEW ASSIGNMENTS & EDITORIAL BOARDS

- Reviewer of project proposals for the EU INERA Open data call (remote reviewing of 12 proposals and consensus meetings in Brussels), December 2019-February 2020.
- Member of the PhD examination committee of Daniel de Leng, Linköping University, Dec 2019.
- Reviewer ('sakkunnig') in the employment process of three senior lecturers ('universitetslektor') at Jönköping University, reviewing a total of 8 applications.
- Review of a research project proposal for the Austrian Science Fund (FWF), May 2019.
- Review of a research project proposal for the Research Committee of the Free University of Bozen-Bolzano, April-May 2019.
- External reviewer of the PhD thesis of Luigi Asprino, University of Bologna, Nov-Dec 2018.
- Member of the PhD evaluation committee for Zenun Kastrati's doctoral work at NTNU, Norway, February 2018.
- External reviewer of an application of Postdoctoral Fellow renewal to the Research Foundation Flanders (FWO), Belgium, 2018.
- External evaluator of the quality of research outputs and standings of one researcher for the South Africa's National Research Foundation (NRF), 2017.
- Member of the editorial board of the Journal of Web Semantics, Elsevier, since 2016. Journal of Web Semantics is one of two top journals specifically targeted at the Semantic Web field (impact factor 2018 is 2.429).
- Review assignments for the Journal of Web Semantics, Elsevier. Approximately 2-3 reviews per year.
- Review assignments for the Semantic Web Journal, IOS Press. Approximately 3-4 reviews per year.
- Review assignments for the Journal of Applied Ontology, IOS Press. Approximately 1-2 reviews per year.
- Review assignments for other journals, such as the journal Engineering Applications of Artificial Intelligence, Software: Practice and Experience, Transactions on Data and Knowledge Engineering, Information, and others - a few assignments per year.
- PC member of numerous conferences, including the yearly ESWC (PC member 2009 – 2015, 2016 as Program Chair, 2017 as General Chair, and again PC member since 2018), ISWC (PC member 2009 – 2019, and senior PC member in 2020), as well as the biannual EKAW and K-CAP conferences, since 2010, and numerous smaller conferences, workshops, PhD symposia etc. Senior PC member of The Web Conference (formerly WWW) in 2019-2020.

PARTICIPATION IN INTERNATIONAL CONFERENCES (past 8 years)

- SEMANTiCS 2020 (online) – Program co-chair of the Research & Innovation track
- ESWC 2020 (online conference) – Non-presenting co-author of workshop paper
- ISWC 2019 – Session chair and attendee
- Dagstuhl seminar 18371 on Knowledge Graphs, 2018 - Invited participant
- ESSENCE 2017 – Invited speaker
- LDSV2017 – Arranging and hosting a national public seminar day on Linked Data (around 45 participants from industry and academia).
- ESWC 2017 – General chair

- EKAU 2016 – Scientific program chair
- ESWC 2016 – Scientific program chair
- ISWC 2015 – Presenter of demo, chair of the associated WOP workshop and non-presenting author of peer-reviewed publication at WOP
- EKAU 2014 – Workshop and tutorials chair, session chair
- ISWC 2014 – Attendee
- ISWC 2013 – Posters&demos chair, non-presenting author of peer-reviewed publication, and presenting author of peer-reviewed publication at WOP workshop
- ESWC 2013 – Non-presenting co-author of SMILE workshop paper
- ISWC 2012 – Session chair, chair of WOP workshop, proceedings chair
- EKAU 2012 – Presenting author of peer-reviewed publication

Notes on the conferences:

- ISWC – International Semantic Web conference. The top conference in the Semantic Web field, A-ranked, yearly conference.
- ESWC – Extended Semantic Web conference (former: European Semantic Web Conference). The second top conference in the Semantic Web field, A-ranked, yearly conference.
- EKAU – International Conference on Knowledge Engineering and Knowledge Management. Biannual conference.

RESEARCH SUPERVISION

July 2019 – present

PhD student Riley Capshaw

Main supervisor (huvudhandledare).

May 2019 – present

PhD student Jenny Kunz

Assistant supervisor (bihandledare).

2013 – present

PhD student Robin Keskisärkkä

Main supervisor (huvudhandledare) since 2017, co-supervisor (bihandledare) since 2013. Robin defended his Licentiate thesis entitled "Towards Semantically Enabled Complex Event Processing" in November 2017.

2011 – 2017

PhD student Karl Hammar

Co-supervisor (bihandledare) since 2011. Main supervisor was Henrik Eriksson, Linköping University. Karl defended his Licentiate thesis in September 2013, and his doctoral dissertation entitled "Content Ontology Design Patterns: Qualities, Methods, and Tools" in September 2017.

TEACHING EXPERIENCE & COURSE DEVELOPMENT (selection, past 10 years)

2019 – present

Bachelor course: Design and development of interactive systems

Linköping University

Developer and examiner of new course at the IT program (Civ. ing. IT), third semester. Project course, using PBL.

2014 – present

Coordinator of IT, semester 3

Linköping University

Coordinator of the third semester of the IT program (Civ. ing. IT). The program uses the problem-based learning (PBL) paradigm, and the courses of each semester are interconnected through a series of weekly PBL-group sessions with a problem-solving focus. The coordinator makes sure that all the courses are aligned and provide appropriate scenarios for the PBL work, as well as guides and coordinates the staff (mainly senior students) that supervises the group work. In addition, I also supervised one PBL-group herself for several years.

2015 – present

Professionalism for Engineers

Linköping University

The course is mandatory for both the computer science and engineering (Civ. ing. D), and the software engineering program (Civ. ing. U), during their first three years. The basic teaching method is dialogue seminars in groups of around 10 students. The course touches upon subjects such as time management and planning, leadership, communication, ethics, career planning etc. I supervise two dialogue groups each year.

2019 – present

Medical Informatics

Linköping University

Teaching a module on basic database design and development in the course, including lectures and lab-assignments. It is an introductory course, but at Master level.

2012 – present

Master's thesis supervision

Linköping University

Supervision of 5 theses.

2019

Commissioned course: Semantic Web Technologies

Linköping University/Scania IT

Commissioned three-day course on Semantic Web technologies at Scania IT in Södertälje, ranging from foundational aspects to methods and tools. Developed and given together with two colleagues at Linköping University.

2018

PhD course: Semantic Web Technologies

Linköping University

PhD course on Semantic Web technologies, ranging from foundational aspects to methods and tools. Developed, given and examined together with two colleagues at Linköping University.

2012 – 2015

Introduction to Academic Studies (Master's course)

Linköping University

Supervisor of course assignments in academic writing.

2012 – 2014

Programmering grundkurs (Basic programming)

Linköping University

Course developer, examiner, and main teacher of this introductory course in object-oriented programming with Java.

2012

PhD course: Semantic Technologies in Practice

Linköping University

Course independently developed, carried out and examined by Eva. Focus on practical aspects of the Semantic Web, including methods and tools for using the standards.

2012

Bachelor thesis supervision

Linköping University

Supervision of one thesis.

2008 – 2011

PhD courses on Semantic Web and Ontology Engineering

University of Bologna

Three course instances, developed together with colleagues during the postdoc and given at the University of Bologna.

2011

Information Retrieval (Master's course)

Jönköping University

Course developer, examiner and the only teacher of this master's course in Information Retrieval. Course included lectures, seminars, computer labs, a written exam, and group projects.

2010

Information Logistics (Master's course)

Jönköping University

Course developer, examiner and teacher of this master's course. Course included lectures, computer labs, group projects, and a written exam.

2010

Knowledge Management and Knowledge Engineering (Master's course)

Jönköping University

Teacher of the ontology engineering part of the course, including lab work and written exam.

In addition to the courses and supervision listed above, I have given more than 10 guest lectures on topics ranging from Semantic Web and ontologies, no-SQL databases, and information logistics, to research methodology. I supervised several Master's and Bachelor theses during my PhD at Jönköping University, and additional teaching experience during PhD studies included master's courses in software engineering, project management, software quality, and bachelor courses in database technologies.

PEDAGOGICAL EDUCATION

2014

Problem Based Learning and small group tutorial

Linköping University, Didacticum

2012

Research supervision, Step 3a

Linköping University, Didacticum

2011

Teaching in Higher Education, Step 2 (DUO) - focus on course design

Linköping University, Didacticum

2005

Teaching in Higher Education, Step 1 (LUK) - focus on teaching

Linköping University, Didacticum

ADDITIONAL APPOINTMENTS & ASSIGNMENTS

2019 – present

Appointed the 'equal opportunities' delegate at the Department of Computer and Information Science, Linköping University.

2017 – present

Member of the steering committee of the ESWC conference series.

2016 – present

Member of the steering committee of the EKAW conference series.

2012 – present

Elected member of the board of the Department of Computer and Information Science, Linköping University

2011 – present

Participation in three W3C community groups, performing pre-standardisation efforts together with industry. Groups are "RDF stream processing" (<https://www.w3.org/community/rsp/>), "Emergency Information" (<https://www.w3.org/community/emergency/>), and "Decisions and Decision Making" (<https://www.w3.org/community/decisionml/>). Additionally, previous participation in one W3C Incubator (predecessor to the Decisions and Decision Making community group).

2010 – present

Secretary of the board of the Swedish AI Society (SAIS).

2009 – present

Chair of the international Association for Ontology Design and Patterns (ODPA) since its founding in 2016. Prior to this, member of the steering committee of the Workshop on Ontology Patterns (WOP) since its first edition in 2009, until it was taken over by the ODPA.

2016 and 2019

Nominated by Linköping University (as one of 12 young researchers) for the national Wallenberg Academy Fellows program both in 2016 and 2019.

2017

General chair of the ESWC 2017 conference.

ACADEMIC PUBLICATIONS

Google Scholar **h-index** as of June 2020: **22**

Scopus **h-index** as of June 2020: **13**

Number of citations as listed in Google Scholar (as of June 2020 – citation count above 20 in bold), is provided after each article (when available). Comments and recent impact factors of journals provided below the table, as well as comments on a selection of the recent and most prominent conferences below the respective table. Work that was performed in the context of the PhD work is marked with a *.

Peer-reviewed journal articles

		Year	Citations
8.	Fernanda Dorea et al.: Drivers for the development of an Animal Health Surveillance Ontology (AHSO). In: <i>Preventive Veterinary Medicine</i> , Volume 166, Pages 39-48, Elsevier, 2019.	2019	N/A

7.	Alirezaie, M., Hammar, K., and Blomqvist, E.: SmartEnv as a network of ontology patterns. <i>Semantic Web</i> 9(6), pp. 903-918, 2018.	2018	10
6.	Alirezaie, M., Renoux, J., Köckemann, U., Kristoffersson, A., Karlsson, L., Blomqvist, E., Tsiftes, N., Voigt, T., and Loutfi, A.: An Ontology-based Context-aware System for Smart Homes: E-care@home. <i>Sensors</i> 17(7), MDPI, 2017.	2017	66
5.	Zhang, Z., Gentile, A. L., Blomqvist, E., Augenstein, I., and Ciravegna, F.: An Unsupervised Data-driven Method to Discover Equivalent Relations in Large Linked Datasets. <i>Semantic Web</i> 8(2), pp.197-223, IOS press, 2017.	2017	10
4.	Blomqvist, E., and Thollander, P.: An Integrated Dataset of Energy Efficiency Measures Published as Linked Open Data. <i>Energy Efficiency</i> 8(6), Springer, 2015.	2015	26
3.	Timpka, T., Spreco, A., Dahlström, Ö., Eriksson, O., Gursky, E., Ekberg, J., Blomqvist, E., Strömgren, M., Karlsson, D., Eriksson, H., Nyce, J., Hinkula, J., and Holm, E.: Performance of eHealth Data Sources in Local Influenza Surveillance: A 5-Year Open Cohort Study. <i>Journal of Medical Internet Research</i> , 16(4):e116, 2014.	2014	14
2.	Blomqvist, E.: The Use of Semantic Web Technologies for Decision Support - A Survey. <i>Semantic Web</i> 5(3): 177-201, IOS Press, 2014.	2014	90
1.*	Blomqvist, E., and Öhgren, A.: Constructing an enterprise ontology for an automotive supplier. <i>Engineering applications of artificial intelligence</i> , Vol. 21, Issue 3, pp.386-397, Elsevier, 2008.	2008	57

Impact of journals:

- Semantic Web – One of two top journals on Semantic Web. 2019 impact factor 3.524
- Sensors – 2018 impact factor 3.031
- Preventive Veterinary Medicine – 2018 impact factor 2.302.
- Energy Efficiency – A major forum of energy efficiency research, both from a technical and economical perspective. 2018 impact factor 1.961
- Journal of Medical Internet Research – 2018 impact factor 4.945
- Engineering applications of artificial intelligence – 2018 impact factor 3.526

Book chapters

		Year	Citations
10.	Santini, M., Jönsson, A., Strandqvist, W., Cederblad, G., Nyström, M., Alirezaie, M., Lind, L., Blomqvist, E., Lindén, M., and Kristoffersson, A.: Designing an Extensible Domain-Specific Web Corpus for “Layfication”: A Case Study in eCare at Home. In: M. Dimitrova, and H. Wagatsuma (Eds.), <i>Cyber-Physical Systems for Social Applications</i> , pp. 98-155, IGI Global, 2019.	2019	2
9.	Blomqvist, E., Shimizu, C. M., and Mons, B.: Knowledge Dynamics and Evolution. In: Bonatti, P. A., Decker, S., Polleres, A., and Presutti, V. (Editors) <i>Knowledge Graphs: New Directions for Knowledge Representation on the Semantic Web (Dagstuhl Seminar 18371)</i> . Dagstuhl Reports, Vol. 8, No. 9, 2019.	2019	N/A

8.	Sabou, M., Blomqvist, E., Groth, P., Kirrane, S., de Melo, G., Mons, B., Paulheim, H., Pintscher, L., Presutti, V., Sequeda, J. F., and Shimizu, C. M.: Human and Social Factors in Knowledge Graphs. In: Bonatti, P. A., Decker, S., Polleres, A., and Presutti, V. (Editors) <i>Knowledge Graphs: New Directions for Knowledge Representation on the Semantic Web (Dagstuhl Seminar 18371)</i> . Dagstuhl Reports, Vol. 8, No. 9, 2019.	2019	N/A
7.	Rashid, S., Blomqvist, E., Shimizu, C. M., and Dumontier, M.: On the Creation of Knowledge Graphs: A Report on Best Practices and their Future. In: Bonatti, P. A., Decker, S., Polleres, A., and Presutti, V. (Editors) <i>Knowledge Graphs: New Directions for Knowledge Representation on the Semantic Web (Dagstuhl Seminar 18371)</i> . Dagstuhl Reports, Vol. 8, No. 9, 2019.	2019	N/A
6.	Blomqvist, E.: Ontologies for Big Data. In: Sakr, S., and Zomaya, A. (Eds.) <i>Encyclopedia of Big Data Technologies</i> . Springer, 2018.	2018	N/A
5.	Blomqvist, E., Hammar, K., and Presutti, V.: Engineering Ontologies with Patterns – The eXtreme Design Methodology. In: <i>Ontology Engineering with Ontology Design Pattern – Foundations and Applications</i> , IOS Press, 2016.	2016	36
4.	Blomqvist, E., van Erp, M., Fokkens, A., Gangemi, A., van Hage, W. R., Janowicz, K., Narock, T., Segers, R., Solanki, M., and Svatek, V.: Collected Research Questions Concerning Ontology Design Patterns. In: <i>Ontology Engineering with Ontology Design Pattern – Foundations and Applications</i> , IOS Press, 2016.	2016	16
3.	Blomqvist, E., Gangemi, A., and Draicchio, F.: Ontology Design Patterns in Ontology Learning. In: Lehmann, J., and Völker, J. (Eds.) <i>Perspectives On Ontology Learning</i> . IOS Press, 2014	2014	N/A
2.	Presutti, V., Blomqvist, E., Daga, E., and Gangemi, A.: Pattern-based Ontology Design. In: <i>Ontology Engineering in a Networked World</i> (Chap. 3), Springer 2012.	2012	64
1.	Gangemi, A., Presutti, V., and Blomqvist E.: The Computational Ontology Perspective: Design Patterns for Web Ontologies. In: <i>Approaches to Legal Ontologies, Law, Governance and Technology Series</i> , Vol. 1 (Chapter 12), Springer, 2011.	2011	5

Peer-reviewed conference papers (included in printed proceedings)

		Year	Citations
24.	Keskisärkkä, R., Blomqvist, E., Lind, L., and Hartig, O.: RSP-QL*: Enabling StatementLevel Annotations in RDF Streams. In: <i>SEMANTiCS 2019: Semantic Systems. The Power of AI and Knowledge Graphs</i> , LNCS Vol. 11702, Springer, 2019.	2019	2
23.	Keskisärkkä, R., and Blomqvist, E.: Supporting Real-Time Monitoring in Criminal Investigations. In: <i>The Semantic Web: ESWC 2015 Satellite Events Portorož, Slovenia, May 31 – June 4, 2015, Revised Selected Papers</i> , LNCS Vol. 9341, Springer, 2015.	2015	N/A

22.	Zhang, Z., Gentile, A. L., Blomqvist, E., Augenstein, I., and Ciravegna, F.: Statistical Knowledge Patterns: Identifying Synonymous Relations in Large Linked Datasets. In: <i>The Semantic Web - ISWC 2013 - Proceedings of the 12th International Semantic Web Conference, 21-25 October 2013, Sydney, Australia</i> . LNCS Vol. 8218, Springer, 2013.	2013	23
21.	Zhang, Z., Gentile, A. L., Augenstein, I., Blomqvist, E., and Ciravegna, F.: Mining Equivalent Relations from Linked Data. In: <i>Proceedings of the annual meeting of the Association for Computational Linguistics (ACL) 2013 (short papers)</i> , 2013.	2013	15
20.	Musetti, A., Nuzzolese, A. G., Draicchio, F., Presutti, V., Blomqvist, E., Gangemi, A., and Ciancarini, P.: Aemoo: Exploratory search based on knowledge patterns over the semantic web. <i>Semantic Web challenges</i> , 2012.	2012	38
19.	Blomqvist, E., Seil Sepour, A., and Presutti, V.: Ontology Testing - Methodology and Tool. In: <i>Knowledge Engineering and Knowledge Management - 18th International Conference, EKAW 2012, Galway City, Ireland, October 8-12, 2012. Proceedings</i> . LNCS, Vol. 7603, pp. 216-226, Springer, 2012.	2012	25
18.	Blomqvist, E., McGarry, D., and Waters, J.: Towards a Semantic Decision-making Format. In: <i>Proceedings of TAMSEC2011</i> , Linköping University, 2011.	2011	N/A
17.	Khan, M. T., and Blomqvist, E.: Ontology Design Pattern Detection - Initial Method and Usage Scenarios. In: <i>Proceedings of the Fourth International Conference on Advances in Semantic Processing (SEMAPRO 2010)</i> . XPS, ThinkMind Digital Library, 2010.	2010	19
16.	Blomqvist, E., Presutti, V., Daga, E. and Gangemi, A.: Experimenting with eXtreme Design. In: <i>Knowledge Engineering and Management by the Masses – Proceedings of the 17th International Conference, EKAW 2010, Lisbon, Portugal, October 11-15, 2010</i> . Lecture Notes in Artificial Intelligence, Vol. 6317, Springer, 2010.	2010	71
15. *	Blomqvist, E.: OntoCase-Automatic Ontology Enrichment Based on Ontology Design Patterns. In: <i>The Semantic Web - ISWC 2009, 8th International Semantic Web Conference, ISWC 2009, Chantilly, VA, USA, October 25-29, 2009. Proceedings</i> . pp. 65-80, LNCS, Springer, 2009.	2009	38
14.	Blomqvist, E., Gangemi, A., and Presutti, V.: Experiments on pattern-based ontology design. In: <i>Proceedings of the 5th International Conference on Knowledge Capture (K-CAP 2009), September 1-4, 2009, Redondo Beach, California, USA</i> . pp. 41-48, ACM, 2009.	2009	89
13. *	Ricklefs, M. and Blomqvist, E.: Ontology-based relevance assessment - An evaluation of different semantic similarity measures. In: <i>Proc. of OTM 2008: ODBASE - The 7th International Conference on Ontologies, DataBases, and Applications of Semantics</i> , Monterrey, Mexico, Nov.10-14, Springer, 2008.	2008	11
12. *	Blomqvist, E.: Case-based Reasoning for Ontology Engineering. In: <i>Proceedings of The 10th Scandinavian Conference on Artificial Intelligence (SCAI 2008)</i> , Stockholm, May 26-28, IOS Press, 2008.	2008	2

11.*	Blomqvist, E.: Pattern Ranking for Semi-automatic Ontology Construction. In: <i>Proceedings of SAC'08: Track on Semantic Web and Applications (SWA)</i> , Fortaleza, Ceará, Brazil, March 16-20, ACM, 2008.	2008	39
10.*	Blomqvist, E., Öhgren, A. and Sandkuhl, K.: Comparing and Evaluating Ontology Construction in an Enterprise Context. In: <i>Lecture Notes in Business Information Processing - Enterprise Information</i> , Volume 3, pp.221-240, Springer, 2008.	2008	3
9.*	Blomqvist, E.: OntoCase - A Pattern-based Ontology Construction Approach. In: <i>Proc. of OTM 2007: ODBASE - The 6th International Conference on Ontologies, DataBases, and Applications of Semantics</i> , Vilamoura, Algarve, Portugal, November 25-30, Springer, 2007.	2007	31
8.*	Billig, A., Blomqvist, E. and Lin, F.: Semantic Matching based on Enterprise Ontologies. In: <i>Proceedings of OTM 2007: ODBASE - The 6th International Conference on Ontologies, DataBases, and Applications of Semantics</i> , Vilamoura, Algarve, Portugal, November 25-30, Springer, 2007.	2007	16
7.*	Albertsen, T. and Blomqvist, E.: Describing Ontology Applications. In: <i>Proceedings of the 4th European Semantic Web Conference (ESWC07)</i> , Innsbruck, Austria, June 3-7, Springer, 2007.	2007	12
6.*	Blomqvist, E., Öhgren, A. and Sandkuhl, K.: Ontology Construction in an Enterprise context: Comparing and Evaluating two Approaches. In: <i>Proceedings of 8th International Conference on Enterprise Information Systems</i> , Paphos, Cyprus, May 2006.	2006	24
5.*	Blomqvist, E. and Öhgren, A.: Constructing an Enterprise Ontology for an Automotive Supplier. In: <i>Proceedings of 12th IFAC Symposium on Information Control Problems in Manufacturing</i> , Saint-Etienne, France, May 2006.	2006	3
4.*	Thörn, C., Eriksson, Ö., Blomqvist, E. and Sandkuhl, K.: Potentials and Limits of Graph-Algorithms for Discovering Ontology Patterns. In: <i>Proc. of the Int.l Conference on Intelligent Agents, Web Technology and Internet Commerce - IAWTIC'2005</i> , Wien, Austria, Nov. 2005.	2005	2
3.*	Blomqvist, E.: Fully Automatic Construction of Enterprise Ontologies Using Design Patterns: Initial Method and First Experiences. In: <i>Proc. of OTM 2005: ODBASE the 4th Int.l Conf. on Ontologies, Databases, and Applications of Semantics</i> , Agia Napa, Cyprus, Oct-Nov, Springer, 2005.	2005	49
2.*	Blomqvist, E., Levashova, T., Öhgren, A., Sandkuhl, K., Smirnov, A. and Tarassov, V.: Configuration of Dynamic SME Supply Chains Based on Ontologies. In: <i>Proc. of the 2nd Intl Conference on Industrial Applications of Holonic and Multi-Agent Systems</i> . Copenhagen, Denmark, Aug.2005.	2005	28
1.*	Blomqvist, E. and Sandkuhl, K.: Patterns in Ontology Engineering – Classification of Ontology Patterns. In: <i>ICEIS 2005, Proceedings of the Seventh International Conference on Enterprise Information Systems</i> , Miami, USA, May 25-28, (ISBN 972-8865-19-8), 2005.	2005	134

Comments on a selection of the most recent and prominent conferences above:

- ISWC - International Semantic Web conference. The top conference in the Semantic Web field, A-ranked¹, yearly conference. Acceptance rate between 17-22%. Semantic Web challenge is a separate track of this conference.
- ESWC - Extended Semantic Web conference (former: European Semantic Web Conference). The second top conference in the Semantic Web field, A-ranked¹, yearly conference. Acceptance rate around 25%. Satellite events include a poster & demo session.
- EKAW - International Conference on Knowledge Engineering and Knowledge Management. Biannual conference. Acceptance rate around 30%.
- SEMANTiCS - Semantics Systems conference, yearly conference on applied research on semantic technologies. Acceptance rate between 25-30%.
- K-CAP - International conference on Knowledge Capture. A-ranked¹, biannual conference. Acceptance rate around 28%.
- ACL - Association of Computational Linguistics. A+ ranked conference¹.

Peer-reviewed workshop papers (included in printed proceedings)

		Year	Citations
17.	Blomqvist E., Alirezaie M., and Santini M.: Towards Causal Knowledge Graphs - Position Paper. To appear in: <i>Proceedings of the 5th International Workshop on Knowledge Discovery in Healthcare Data (KDH 2020)</i> , 2020.	2020	N/A
16.	Capshaw R., Kuhlmann M., and Blomqvist E.: Probing a Semantic Dependency Parser for Translational Relation Embeddings. To appear in: <i>Proceedings of the 2020 workshop on Deep Learning for Knowledge Graphs (DL4KG) at ESWC 2020</i> , CEUR, 2020.	2020	N/A
15.	Alirezaie, M., Hammar, K., Blomqvist, E., Nystrom, M., and Ivanova, V.: SmartEnv Ontology in E-care@home. In: <i>Proceedings of the 9th International Semantic Sensor Networks Workshop co-located with 17th International Semantic Web Conference (ISWC 2018)</i> , CEUR-WS Vol. 2213, 2018.	2018	6
14.	Dragisic, Z., Lambrix, P., and Blomqvist, E.: Integrating Ontology Debugging into the eXtreme Design Methodology. In: <i>Proceedings of the 6th Workshop on Ontology and Semantic Web Patterns (WOP 2015) co-located with the 14th International Semantic Web Conference (ISWC 2015) Bethlehem, Pennsylvania, USA, October 11, 2015</i> , CEUR-WS Vol. 1461, 2015.	2015	6
13.	Keskisärkkä, R., and Blomqvist, E.: Sharing and Reusing Continuous Queries – Expression of Interest. In: <i>Online Proceedings of the RDF Stream Processing Workshop at ESWC2015</i> , 2015.	2015	N/A
12.	Keskisärkkä, R., and Blomqvist, E.: Towards the Use of RDF Stream Processing Engines for Event Enrichment from Social Media Streams. In: <i>Online proceedings of the Workshop on Semantics and Analytics for Emergency Response (SAFE2015) collocated with the The 12th International Conference on Information Systems for Crisis Response and Management (ISCRAM2015)</i> , 2015.	2015	N/A

¹ According to the CORE ranking, see <http://www.core.edu.au/>

11.	Blomqvist, E., Zhang, Z., Gentile, A. L., Augenstein, I., and Ciravegna, F.: Statistical Knowledge Patterns for Characterizing Linked Data. In: <i>Proceedings of the Workshop on Ontology and Semantic Web Patterns (4th edition) - WOP2013</i> , CEUR-WS, 2013.	2013	7
10.	Rinne, M., Blomqvist, E., Keskisärkkä, R., and Nuutila, E.: Event Processing in RDF. In: <i>Proceedings of the Workshop on Ontology and Semantic Web Patterns (4th edition) - WOP2013</i> , CEUR workshop proceedings, 2013.	2013	19
9.	Rinne, M., Blomqvist, E.: The Event Processing ODP. In: <i>Proceedings of the Workshop on Ontology and Semantic Web Patterns (4th edition) - Pattern track - WOP2013</i> , CEUR workshop proceedings, 2013.	2013	2
8.	Keskisärkkä, R. and Blomqvist E.: Event Object Boundaries in RDF Streams: A Position Paper. In: <i>Proceedings of the 2nd International Workshop on Ordering and Reasoning - Co-located with the 12th International Semantic Web Conference (ISWC 2013) - Sydney, Australia, October 22nd, 2013</i> . CEUR workshop proceedings, Vol. 1059, 2013.	2013	6
7.	Keskisärkkä, R. and Blomqvist, E.: Semantic Complex Event Processing for Social Media Monitoring - A Survey. In: <i>Proceedings of SMILE 2013, co-located with ESWC 2013</i> , 2013.	2013	15
6.	Blomqvist, E., Ceruti, M., Waters, J., and McGarry, D.: A Decision-making Format for the Semantic Web. In: <i>Proceedings of the Workshop on Ontology Patterns (WOP 2010), collocated with the 9th International Semantic Web Conference (ISWC 2010), Shanghai, China, November 7-11, 2010</i> . CEUR workshop proceedings, 2010.	2010	2
5. *	Blomqvist E.: Ontology Patterns - Typology and Experiences from Design Pattern Development. In: <i>Proceedings of SAIS 2010</i> , Uppsala, May 20-21, (Online proceedings, Linköping University Electronic Press) 2010.	2010	10
4.	Presutti V., Daga E., Gangemi A., and Blomqvist E.: eXtreme Design with Content Ontology Design Patterns. In: <i>Proceedings of the Workshop on Ontology Patterns (WOP 2009), collocated with the 8th International Semantic Web Conference (ISWC-2009), Washington D.C., USA, 25 October, 2009</i> . CEUR workshop proceedings, Vol-516, 2009.	2009	85
3. *	Blomqvist, E.: Semi-automatic Ontology Engineering using Patterns. In: <i>Proc. of ISWCo7 Doctoral Consortium</i> , Busan, Korea, Nov. 11-15, Springer, 2007.	2007	10
2. *	Blomqvist, E.: Pattern-based Ontology Construction. In: <i>Proc. of the Knowledge Web PhD Symposium 2007</i> , Innsbruck, Austria, June 2007.	2007	1
1. *	Blomqvist, E., Levashova, T., Öhgren, A., Sandkuhl, K. and Smirnov, A.: Formation of Enterprise Networks for Collaborative Engineering. In: <i>Post-conference proceedings of 3. International Workshop on Collaborative Engineering</i> , Sopron, Hungary, April 2005.	2005	8

Editorials, discussion articles & other publications

		Year	Citations
4.	Hogan A., et al. : <i>Knowledge Graphs</i> . arXiv preprint arXiv:2003.02320	2020	3
3.	Tommasini R., Keskisärkkä R., Calbimonte J.-P., Blomqvist E., Della Valle E., and Bifet A.: Continuous Analytics of Web Streams (tutorial). In: <i>Companion Proceedings of The 2019 World Wide Web Conference</i> , ACM, 2019.	2019	1
2.	Blomqvist E.: Evolution and dynamics. (Short talk abstract) In: Bonatti, P. A., Decker, S., Polleres, A., and Presutti, V. (Editors) <i>Knowledge Graphs: New Directions for Knowledge Representation on the Semantic Web (Dagstuhl Seminar 18371)</i> . Dagstuhl Reports, Vol. 8, No. 9, 2019.	2019	N/A
1.	Blomqvist E., Hitzler P., Janowicz K., Krisnadhi A., Narock T., and Solanki M.: Considerations regarding Ontology Design Patterns. (Editorial) <i>Semantic Web</i> 7(1), 1-7, 2016.	2016	32

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		Year	Citations
2. *	Blomqvist, E.: <i>Semi-automatic Ontology Construction based on Patterns</i> . (Doctoral dissertation). Linköping: Linköping University Electronic Press, 2009.	2009	49
1.	Blomqvist, E.: <i>Security in Sensor Networks</i> . Master's Thesis and Technical Report 135 of the Control Engineering Laboratory, Helsinki University of Technology, 2003.	2003	N/A

Edited volumes

		Year
19.	Blomqvist, E., Corcho, O., Horridge, M., Carral, D., Hoekstra, R. (Editors): <i>Proceedings of the 8th Workshop on Ontology Design and Patterns (WOP 2017) co-located with the 16th International Semantic Web Conference (ISWC 2017), Vienna, Austria, October 21, 2017</i> . CEUR Workshop Proceedings 2043, CEUR-WS.org 2018	2018
18.	Blomqvist, E., Hose, K., Paulheim, H., Lawrynowicz, A., Ciravegna, F., and Hartig, O. (Editors): <i>The Semantic Web: ESWC 2017 Satellite Events - ESWC 2017 Satellite Events, Portorož, Slovenia, May 28 - June 1, 2017, Revised Selected Papers</i> . Lecture Notes in Computer Science 10577, Springer 2017, ISBN 978-3-319-70406-7	2017
17.	Blomqvist, E., Maynard, D., Gangemi, A., Hoekstra, R., Hitzler, P., and Hartig, O. (Editors): <i>The Semantic Web - 14th International Conference, ESWC 2017, Portorož, Slovenia, May 28 - June 1, 2017, Proceedings, Part II</i> . Lecture Notes in Computer Science 10250, 2017, ISBN 978-3-319-58450-8	2017

16.	Blomqvist, E., Maynard, D., Gangemi, A., Hoekstra, R., Hitzler, P., and Hartig, O. (Editors): <i>The Semantic Web - 14th International Conference, ESWC 2017, Portorož, Slovenia, May 28 - June 1, 2017, Proceedings, Part I</i> . Lecture Notes in Computer Science 10249, 2017, ISBN 978-3-319-58067-8	2017
15.	Dragoni, M., Solanki, M., and Blomqvist, E. (Editors): <i>Semantic Web Challenges - 4th SemWebEval Challenge at ESWC 2017, Portoroz, Slovenia, May 28 - June 1, 2017, Revised Selected Papers</i> . Communications in Computer and Information Science 769, Springer 2017, ISBN 978-3-319-69145-9	2017
14.	Blomqvist, E., Ciancarini, P., Poggi, F., and Vitali, F. (Editors): <i>Knowledge Engineering and Knowledge Management 20th International Conference, EKAW 2016, Bologna, Italy, November 19-23, 2016, Proceedings</i> . Springer LNCS Vol. 10024, 2016.	2016
13.	Sack, H., Blomqvist, E., d'Aquin, M., Ghidini, C., Ponzetto, S. P., and Lange, C. (Editors): <i>The Semantic Web. Latest Advances and New Domains: 13th International Conference, ESWC 2016, Heraklion, Crete, Greece, May 29--June 2, 2016, Proceedings</i> . Springer LNCS Vol. 9678, 2016.	2016
12.	Blomqvist, E., Hitzler, P., Krisnadhi, A., Narock, T., and Solanki, M. (Editors): <i>Proceedings of the 6th Workshop on Ontology and Semantic Web Patterns (WOP 2015) co-located with the 14th International Semantic Web Conference (ISWC 2015) Bethlehem, Pennsylvania, USA, October 11, 2015</i> . CEUR-WS Vol. 1461, 2015.	2015
11.	Lambrix, P., Hyvönen, E., Blomqvist, E., Presutti, V., Qi, G., Sattler, U., Ding, Y., Ghidini, C. (Editors): <i>Knowledge Engineering and Knowledge Management EKAW 2014 Satellite Events, VISUAL, EKM1, and ARCOE-Logic, Linköping, Sweden, November 24-28, 2014. Revised Selected Papers</i> . Springer LNCS Vol. 8982, 2015.	2015
10.	Presutti, V., Blomqvist, E., Troncy, R., Sack, H., Papadakis, I., and Tordai, A. (Editors): <i>The Semantic Web: ESWC 2014 Satellite Events - ESWC 2014 Satellite Events, Anissaras, Crete, Greece, May 25-29, 2014, Revised Selected Papers</i> . Lecture Notes in Computer Science 8798, Springer, 2014.	2014
9.	Blomqvist, E., and Groza, T. (Editors): <i>Proceedings of the Posters & Demos Track of the International Semantic Web Conference 2013</i> , CEUR workshop proceedings, 2013.	2013
8.	Pellegrini, T., Sack, H., Blomqvist, E., Di Noia, T., Sabou, M. et al. (Editors): <i>Proceedings of I-SEMANTICS 2013, 4th-6th September 2013, Messe Graz, Austria</i> . ACM ICP, 2013.	2013
7.	Blomqvist, E., Brewster, C., Lanfranchi, V., and Mazumdar, S. (Editors): <i>Proceedings of Social Media and Linked Data for Emergency Response (SMILE) Co-located with the 10th Extended Semantic Web Conference – May 26-30, 2013 at Montpellier, France</i> , CEUR workshop proceedings, 2013.	2013

6.	Cudré-Mauroux, P., Heflin, J., Sirin, E., Tudorache, T., Euzenat, J., Hauswirth, M., Xavier Parreira, J., Hendler, J., Schreiber, G., Bernstein, A., and Blomqvist E. (Editors): <i>The Semantic Web – ISWC2012 – 11th International Semantic Web Conference, Boston (MA), USA, November 11-15 2012</i> , Vol. 7649-7650, Springer LNCS, 2012.	2012
5.	Blomqvist, E., Gangemi, A., Hammar, K., and Suárez-Figueroa, M. C. (Editors): <i>Proceedings of the 3rd International Workshop on Ontology Patterns – WOP 2012 – Workshop at the 11th International Semantic Web Conference, Boston (MA), USA, November 12, 2012</i> . CEUR workshop proceedings (forthcoming), 2012.	2012
4.	Aroyo, L., Welty C., Alani H., Taylor J., Bernstein A., Kagal L., Noy N., and Blomqvist E. (Editors): <i>The Semantic Web – ISWC2011 – 10th International Semantic Web Conference, Bonn, Germany, October 2011</i> , Vol. 7031-7032, Springer LNCS, 2011.	2011
3.	Blomqvist E., Chaudhri V. K., Corcho O., Presutti V., and Sandkuhl K. (Eds): <i>Proc. of the 2nd International Workshop on Ontology Patterns - WOP2010 - Workshop at the 9th International Semantic Web Conference - ISWC 2010 Workshops Volume VIII - Shanghai, China, November 8, 2010</i> . CEUR workshop proceedings, Vol 671, 2010.	2010
2.	Blomqvist, E., Sandkuhl, K., Scharffe, F. and Svatek, V. (Editors): <i>Proceedings of the Workshop on Ontology Patterns (WOP 2009), collocated with the 8th International Semantic Web Conference (ISWC-2009), Washington D.C., USA, 25 October, 2009</i> . CEUR workshop proceedings, Vol 516, 2009.	2009
1.	Blomqvist, E. (Editor): <i>EKAW 2008 - 16th International Conference on Knowledge Engineering and Knowledge Management - Knowledge Patterns. Poster and Demo Proceedings</i> . (Online proceedings), 2008.	2008