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Overview

Personal

Born on 1984, married, Turkish citizen and speaks Turkish, English and Norwegian.

Scholarly metrics

Impact: citations 1360, h-index 23, and i10-index 35 according to [Google Scholar](#).

Publications: 15 journal articles, 46 conference/workshop papers, 3 book chapters, 1 technical report, and 1 proceedings.

Projects

Participated: 9 EU projects, 7 national projects, and 7 industrial projects.

Lead role: TheyBuyForYou (EU), SkyTrack (national), Gemini Big Data Centre (national), Optique (EU), iCamp (EU), LEFIS (EU), Law&ICT (EU), and Document Mining&Search (industrial).

Funding raised: Gemini Big Data Centre (national), MAPLE (national), Byte (EU), LEFIS (EU), Law&ICT (EU), and Document Mining&Search (industrial).

Open software developed: 6 tools developed within the context of different projects.

Teaching/supervision

Courses taught: 1 PhD, 1 master, and 5 bachelor level courses.

Supervision: 1 PostDoc, 1 PhD, 8 master, and 2 bachelor students.

Formal qualification: 160 hours through 4 modules (seminars, summer schools etc.).

Service

Scientific: 5 editorial board member, 5 conference chair/organiser, 6 international project reviewer, 27 journal reviewer, and 27 conference reviewer/PC member roles.

Educational: 1 PhD committee chair, 2 master thesis committee member, and 1 education committee member roles.

Administrative: 2 hiring committee chair, 1 interview committee member, and 1 funding panel member roles.

Popular Dissemination: 2 international invited talks.

Network

Academic: more than 85 international co-authors – see [dblp](#) and [Scopus](#).

Industry/public: Statoil, Siemens, Ahus, Aker Solutions, Aibel, Gassco, Backe, DNV GL, etc.

Research interests

Web Technologies, The Semantic Web, Data Management and Integration, Knowledge Representation, Digital transformation, and Big Data.

Employment

2018–today	Senior Research Scientist at SINTEF Digital , Oslo, Norway Seeking and leading projects; delivering and developing research-based solutions.
2017–2018	Senior Engineer at DNV GL, Digital Solutions , Høvik, Norway Seeking and leading projects; delivering and developing services and solutions; contributing innovation activities, sales, and marketing.
2016–today	Associate Professor at Norwegian University of Science and Technology – NTNU , Gjøvik, Norway Conducting research on Semantic Web technologies and HCI; writing research proposals, teaching bachelor and master courses on Web technologies; supervising students.
2014–2015	Associate Professor at Gjøvik University College , Gjøvik, Norway Conducted research on Semantic Web; taught bachelor courses on Web technologies; supervised bachelor and master students.
2012–2015	Postdoctoral Research Fellow at University of Oslo , Oslo, Norway Conducted research on visual query formulation; contributed to EU projects and proposal writing ; contributed to teaching in a bachelor database course; supervised master students.
05-10/2012	Postdoctoral Research Fellow at KU Leuven , Leuven, Belgium Conducted research on pervasive computing and the Semantic Web; contributed to an EU project.
2008–2012	PhD Research Fellow at KU Leuven , Leuven, Belgium Conducted research on pervasive and adaptive computing; contributed to an EU project and proposal writing for national projects.
2006–2008	Team leader and Research Assistant at Isik University , Istanbul, Turkey Acted as the lead researcher and developer; conducted research on e-learning; contributed to EU projects and proposal writing .

Mobility

05-08/2013	Visiting Researcher at University of Oxford , Oxford, the UK Collaborated on visual query formulation research in an EU project.
2008–2012	Visiting Researcher at The Open University , Milton Keynes, the UK Short research visits in the context of my PhD work.
2008–2012	Visiting Researcher at Vienna University of Business and Economics , Vienna, Austria Short research visits in the context of my PhD work.

Education

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| 2008–2012 | Ph.D. in Computer Science at KU Leuven , Leuven, Belgium
Thesis: Exploiting metadata, ontologies and semantics to design/enhance new end-user experiences for adaptive pervasive computing environments
Supervisors: Prof. dr. Patrick De Causmaecker, Prof. dr. ir. Erik Duval, and Prof. dr. Piet Desmet |
| 2006–2008 | M.Sc. in Computer Engineering at Isik University , Istanbul, Turkey
Thesis: A learning object harvesting model and a sample application
Supervisor: Prof. dr. Selahattin Kuru |
| 2002–2006 | B.Sc. in Computer Engineering at Isik University , Istanbul, Turkey |

Other Competences

Pedagogical

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| 2019 Fall | Research-based teaching at Norwegian University of Science and Technology , Gjøvik, Norway
Linking research and teaching by Prof. Mick Healey – 5 hours |
| 2018 Spring | PhD supervisor seminar at Norwegian University of Science and Technology , Trondheim, Norway
PhD supervision training – 15 hours |
| 2016 Spring | Teaching and Learning in Higher Education at University of Oslo , Oslo, Norway
Basic pedagogical competence – 100 hours |

Interdisciplinary

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| 2009 Summ. | Joint Summer School on Technology Enhanced Learning , Terchova, Slovakia
European Association of Technology Enhanced Learning (EATEL), One week of intensive programme – 40 hours |
| 2007 Summ. | Legal Aspects of Information Society , Istanbul, Turkey
Two weeks of intensive programme |

Management

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| 2018 Fall | Project Management at SINTEF , Trondheim, Norway
Two and half days course. |
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Language

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| 2015–2016 | Norwegian at University of Oslo , Oslo, Norway
Elementary (15 sp.), intermediate (15 sp.), and advanced (20 sp.) – 50 study points total |
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Projects

Academic International

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| 2018–2020 | <p>TheyBuyForYou – Enabling procurement data value chains for economic development, demand management, competitive markets and vendor intelligence
 Programme: EU H2020, 3.2M EUR – https://theybuyforyou.eu
 Role: Technical coordinator and WP leader – managing technical and scientific progress of the project and leading WP on data integration and ontology development.</p> |
| 2018–2019 | <p>euBusinessGraph – Enabling the European Business Graph for Innovative Data Products and Services
 Programme: EU H2020, 3.6M EUR – http://eubusinessgraph.eu
 Role: Researcher – contributing research on data integration and ontology development.</p> |
| 2014–2017 | <p>Byte – The Big data roadmap and cross-disciplinary community for addressing societal Externalities
 Programme: EU FP7, 2.8M EUR – http://http://byte-project.eu
 Role: Researcher – contributed to proposal writing and research on industrial use cases.</p> |
| 2012–2017 | <p>Optique – Scalable end-user access to Big Data
 Programme: EU FP7, 13.8M EUR – http://www.optique-project.eu
 Role: Lead researcher – managed the work package activities on visual query formulation interface, and developed an open source visual query system.</p> |
| 2009–2012 | <p>ROLE – Responsive Open Learning Environments
 Programme: EU FP7, 8.5M EUR – http://www.role-project.eu
 Role: Researcher – contributed to research on widget-based mashups.</p> |
| 2006–2008 | <p>iCamp – Innovative, inclusive, interactive & intercultural learning campus
 Programme: EU FP6, 3.4M EUR – http://www.icamp.eu
 Role: Local project manager – managed the local project team and contributed to research on networked e-learning tools.</p> |
| 2007–2008 | <p>Law&ICT – LAW&ICT Shared Virtual Campus
 Programme: Erasmus LLP, 370K EUR
 Role: Local project manager – led the local project team, initiated and contributed to proposal writing, and contributed to project activities.</p> |
| 2006–2008 | <p>LEFIS – Legal Framework for Information Society
 Programme: Socrates Thematic Network – http://www.lefis.org
 Role: Local project manager – led the local project team, initiated and contributed to proposal writing, and contributed to project activities.</p> |
| 2006–2008 | <p>TREE – Teaching and research in Engineering in Europe
 Programme: EU Thematic Network – http://www3.unifi.it/tree
 Role: Local project manager – led the local project team and contributed to research on problem based learning.</p> |

Academic National

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| 2020–2023 | <p>SkyTrack – Cloud-based Operation Management Systems (with industry)
 Programme: Norwegian Research Council IPN (Innovation Project for the Industrial Sector), 26M NOK (2.6M EUR), Norway
 Role: Co-PI and WP-leader – project management and research on data modelling and integration.</p> |
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- 2018–2021 **MDS – Maritime Data Spaces (with industry)**
 Programme: Norwegian Research Council IPN (Innovation Project for the Industrial Sector), 12M NOK (1.3M EUR), Norway
 Role: **Local project manager** – project management and research on data modelling and integration.
- 2018–2021 **DigiBuild – Digitalising the construction process (with industry)**
 Programme: Norwegian Research Council BIA (User-driven Research based Innovation), 43M NOK (4.5M EUR), Norway
 Role: **Local project manager** – project management and research on data modelling and integration.
- 2016–2019 **Gemini Centre on Big Data – A collaboration and networking centre established between Norwegian University of Science and Technology, University of Oslo and SINTEF**
 Programme: Gemini-samarbeidet – <http://www.sintef.no/gemini-samarbeidet/>
 Role: **Principal investigator – proposal writing**, and sitting on the leader team.
- 2013–2015 **Semicolon II – Collaboration in Public Sector**
 Programme: Norwegian Research Council VERDIKT, Norway – <http://www.semicolon.no>
 Role: **Researcher** – contributed to research on search interfaces.
- 2009–2011 **MAPLE – Mobile, Adaptive and Personalised Learning Experience**
 Programme: iMinds – ICON, Belgium
 Role: **Investigator** – contributed to the **proposal writing**.
- 2008–2012 **IOF – Harnessing collective intelligence in e-learning environments**
 Programme: Industrial Research Fund (Industriell Onderzoeksfonds), Belgium
 Role: **Researcher** – contributed to research as a part of my PhD studies.

Industrial

- 03-04/2018 **DREAM – Emerging digital technologies within TEN (Technology Excellence network)**
 Owner: DNV GL
 Role: **Contributor** – ontology-based requirements handling and verification.
- 02-04/2018 **Learning from Experiences – Cost effective and safe operations through enhanced learnings from earlier failures**
 Owner: Joint industrial project (JIP)
 Role: **Contributor** – design and development of an ontology-based requirements handling and verification tool in maritime domain.
- 2017–2018 **NORSOK - ZTI – ontology-based requirements handling**
 Owner: Standard Norge, Aibel, and DNV GL
 Role: **Contributor** – design and implementation of an ontology-based explorer for requirement management based on NORSOK Z standard.
- 2017–2018 **OREDA – Offshore and onshore reliability data**
 Owner: Joint industrial project (JIP)
 Role: **Contributor** – consultancy on reliability data collection, integration and management.
- 2017–2018 **Document Mining&Search**
 Owner: DNV GL
 Role: **Project leader** – initiated and contributed to the tender process and undertaken the design and implementation of a cloud-based semantic search and mining tool for unstructured data.

01-04/2017	PUSH project – engineering assistant Owner: Aker Solutions Role: Contributor – design and implementation of an ontology-based user interface specification and configuration tool.
2015–2016	Ahus project – Patient record management system Owner: Southern and Eastern Norway Regional Health Authority Role: Contributor – design and implementation of ontology-based patient information system.

Collaboration Efforts/Agreements

2018–today	SINTEF and Norwegian University of Science and Technology – Collaboration on research and teaching. Role: Undertaking a joint position and conducting joint project acquisition and master thesis supervision activities.
2017–2018	DNV GL and Norwegian University of Science and Technology – Collaboration on research and teaching. Role: Undertaken a joint position; received DNV GL funding for teaching one master level course; conducted joint supervision and project acquisition activities.
2017–today	University of Oxford and Norwegian University of Science and Technology – Collaboration on research. Role: Undertaking joint research and project acquisition activities.
2014–today	University of Oslo and Norwegian University of Science and Technology – Collaboration on research and teaching. Role: Undertaken a joint position; received University of Oslo funding for research activities on Optique project; conducting joint supervision and project acquisition activities.
2012–2015	University of Oxford and University of Oslo – Collaboration on research. Role: Undertaken joint research activities, and had short and long research stays.
2008–2012	The Open University and KU Leuven – Collaboration on research. Role: Undertaken joint research activities, and had short research stays.
2008–2012	Vienna University of Business and Economics and KU Leuven – Collaboration on research. Role: Undertaken joint research activities, and had short research stays.

Teaching/Supervision

Courses taught

2019–today	Programming for Web II at Norwegian University of Science and Technology, Norway Bachelor level, Course responsible , 2 semesters
2016–today	Introduction to Research on Web Technologies at Norwegian University of Science and Technology, Norway Master level, Lecturer , 4 semesters
2016–today	Web Project III at Norwegian University of Science and Technology, Norway

2016–2018	Bachelor level, Lecturer , 4 semesters Programming for Web II at Norwegian University of Science and Technology , Norway
2016 Spring	Bachelor level, Lecturer , 2 semesters Special compendium in HCI at University of Oslo , Norway PhD level, Supervisor
2015 Spring	Programming for Web II at Gjøvik University College , Norway Bachelor level, Lecturer , 1 semester
2014–2015	Web Project III at Gjøvik University College , Norway Bachelor level, Lecturer , 2 semesters
2013–2015	Database Systems at University of Oslo , Norway Bachelor level, Guest Lecturer , 2 semesters
2009–2011	Data Structures & Algorithms at KU Leuven , Belgium Bachelor level, Teaching assistant , 3 semesters
2008 Fall	Software Engineering at Isik University , Turkey Bachelor level, Teaching assistant , 1 semester

Students and PostDocs supervised

2019–2021	Various topics on Knowledge Graphs Student: 4 students Master Thesis (co-supervisor), University of Oslo , Norway
2019–2019	An Approach for EasySpecification of Interactive Data Visualizations Student: Magdalena Kowalczyk Master Thesis (supervisor), Norwegian University of Science and Technology , Norway
2019–2020	ERCIM fellowship Fellow: Bekir Sahin PostDoc (supervisor), Norwegian University of Science and Technology , Norway
2018–2019	Predictive Data Transformation Suggestions in Grafterizer Student: Saliha Sajid Master Thesis (co-supervisor), University of Oslo , Norway
2016–today	Improving the usability of ontology-based visual query formulation tools Student: Vidar Klungre PhD Thesis (co-supervisor), University of Oslo , Norway
2016–2017	Ontology-Based SPARQL Extension Ranker Student: Magnus Arneberg Nilsen Master Thesis (supervisor), University of Oslo , Norway
2015–2016	An Online Payment and Invoicing System Students: Fredrik Andre and Kim Erik Bachelor Thesis (supervisor), Gjøvik University College , Norway
2014–2015	Ontology-based Collaborative Visual Query Formulation Student: Yasar Mumtaz Master Thesis (supervisor), University of Oslo , Norway

Professional Activities

Educational

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| 2020 | Internal examiner for a master thesis at Norwegian University of Science and Technology , Norway
Department of Computer Science |
| 2018–today | Member of Teaching Committee (Undervisningsutvalget) at Norwegian University of Science and Technology , Norway
Department of Computer Science |
| 2018 | External examiner for a master thesis at University of Oslo , Norway
Department of Informatics |
| 2017 | Chair and member of PhD thesis assessment committee at Norwegian University of Science and Technology , Norway
PhD Candidate Zenun Kastrati |

Administrative

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| 2019 | Member of the technical review panel for AME funding initiative at Agency for Science, Technology and Research (A*STAR) , Singapore |
| 2018 | Member of advisory and interview committee for hiring at Norwegian University of Science and Technology , Norway
Associate Professor position |
| 2018 | Chair and member of external hiring committee at Norwegian University of Science and Technology , Norway
Associate Professor position |
| 2018 | Chair and member of internal hiring committee at Norwegian University of Science and Technology , Norway
Associate Professor position |

Journal board

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| 2019–today | Editorial board member for Information journal |
| 2018–today | Editorial board member for Sensors journal |
| 2018–today | Editorial board member for Scientific Programming journal |
| 2017–today | Editorial board member for Journal of Web Semantics (JWS) |
| 2017–2018 | Guest editor for Multimodal Technologies and Interaction
Special issue on Interactive Web |
| 2016–today | Editorial board member for International Journal of Privacy and Health Information Management |

Conference chair/organizer

- 2020 | **General chair** for the 4th International Joint Conference on Rules and Reasoning (RuleML+RR 2020)
- 2020 | **Co-organiser** for DeclarativeAI 2020 – Rules, Decisions, and Reasoning (three co-located events)
The 4th International Joint Conference on Rules and Reasoning (RuleML+RR 2020); DecisionCamp 2020; The 16th Reasoning Web Summer School (RW 2020)
- 2019 | **Co-chair** for RuleML+RR 2019 Rules Challenge track – The 3rd International Joint Conference on Rules and Reasoning
- 2018 | **Vice chair** for ODBASE 2018 – The 17th International Conference on Ontologies, DataBases, and Applications of Semantics
- 2018 | **Track chair** for Innovate-Data 2018 (Data Visualisation track) – The 4th International Conference on Big Data Innovations and Applications

Project reviewer

- 2019 | **Reviewer** for Agency for Science, Technology and Research (A*STAR), Singapore
- 2019 | **Reviewer** for Austrian Science Fund (FWF), Austria
- 2018 | **Reviewer** for Netherlands Organisation for Scientific Research (NWO), Netherlands
- 2018 | **Reviewer** for Leibniz Association, Germany
- 2017 | **Reviewer** for Netherlands Organisation for Scientific Research (NWO), Netherlands
- 2014 | **Reviewer** for National Science Centre, Poland

Journal reviewer

Remote Sensing;

New Generation Computing;

Journal of Systems and Software;

Computer Standards & Interfaces;

Journal of Web Semantics (JWS);

Journal of Web Engineering (JWE);

Journal of Ambient Intelligence and Smart Environments (JAISE);

International Journal of Privacy and Health Information Management (IJPHIM);

International Journal on Semantic Web and Information Systems (IJSWIS);

International Journal of Geo-Information

Production & Manufacturing Research

Journal of Internet Services and Applications (JISA);

Entropy;

Computers;

Information;

Sustainability;

Journal of Experimental and Theoretical Artificial Intelligence (JETAI);

International Journal of Big Data Intelligence (IJBDI);

Integrated Computer-Aided Engineering (ICAE);

Ecological Informatics;

SENSORS;

Computational and Mathematical Methods in Medicine;

JZUS-C;

Biomedical Engineering Research (BER);

International Journal of Metadata, Ontologies and Semantics (IJMSO);

International Journal of Technology Enhanced Learning (IJTEL);

Journal of Mobile Multimedia (JMM).

Conference reviewer/ PC member

The 16th International Conference on Intelligent Environments (IE2020);

The 6th International Management Information Systems Conference (IMISC 2019);

The 3rd International Joint Conference on Rules and Reasoning (RuleML + RR 2019);

The 18th International Semantic Web Conference (ISWC 2019);

International Conference on Metadata and Semantics Research (MTSR 2019);

The 18th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2019);

Knowledge Graph Building (KGB @ ESWC 2019);

The 1st Workshop on Semantic Explainability (SemEx 2019);

The 13th International Conference on Advances in Semantic Processing (SEMAPRO 2019);

International Workshop on Visualisation and Interaction for Ontologies and Linked Data (VOILA @ESWC 2019);

International Conference on Metadata and Semantics Research (MTSR 2018);

The European Conference on Service-Oriented and Cloud Computing (ESOCC 2018);

Semantic Web Technologies in Mobile and Pervasive Environments (SEMPER @ESWC 2018);

International Workshop on Visualisation and Interaction for Ontologies and Linked Data (VOILA @ESWC 2018);

The 12th International Conference on Advances in Semantic Processing (SEMAPRO 2018);

International Workshop on Visualisation and Interaction for Ontologies and Linked Data (VOILA @ESWC 2017);

Semantic Web Technologies in Mobile and Pervasive Environments (SEMPER @ESWC 2016);
 International Web Rule Symposium (RuleML 2015);
 International Web Rule Symposium Challenge (RuleML 2015 Challenge);
 The 8th Nordic Conference on Human-Computer Interaction (NordiCHI 2014);
 International Web Rule Symposium (RuleML 2014);
 International Web Rule Symposium Challenge (RuleML 2014 Challenge);
 The 8th International Conference on Advances in Semantic Processing (SEMAPRO 2014);
 International Web Rule Symposium Challenge (RuleML 2013 Challenge);
 The 18th International Conference on Software, Telecommunications and Computer Networks (Soft-Com 2010);
 Interdisciplinary Research on Technology, Education and Communication (ITEC 2010);
 The 6th International Conference on Ubiquitous Intelligence and Computing (UIC 2009).

Talks

09.09.2019	<p>Title: Data-driven Innovation and Knowledge Graphs</p> <p>Place: AME Programmatic Funding Initiative, Agency for Science, Technology and Research (A*STAR), Singapore</p>
07.11.2018	<p>Title: euBusinessGraph – Leveraging the European Big Data Initiatives</p> <p>Place: Digital Innovation Hubs Working Group Meeting on Big Data and Artificial Intelligence, European Commission, Brussels</p>

Open Software

2018–	<p>OCDS ontology developed within TheyBuyForYou project</p> <p>Purpose: An ontology for public procurement.</p> <p>https://github.com/TBFY/ocds-ontology</p>
2013–2018	<p>OptiqueVQS developed within Optique project</p> <p>Purpose: Ontology-based visual query formulation.</p> <p>https://gitlab.com/ernesto.jimenez.ruiz/OptiqueVQS</p>
2013–2018	<p>Ontology services toolkit developed within Optique project</p> <p>Purpose: Ontology projection for navigation.</p> <p>https://gitlab.com/ernesto.jimenez.ruiz/ontology-services-toolkit</p>
2013–2018	<p>PepeSearch developed within Semicolon II project</p> <p>Purpose: A SPARQL query interface.</p> <p>https://github.com/guiveg/pepesearch</p>

2008–2012	Semantic Web Component developed within my PhD work Purpose: Linked data browser for end users (not maintained).
2008–2012	WIPLE developed within my PhD work Purpose: Widget-based personal learning environment (not maintained).
2007–2008	Feedback plugin developed within iCamp project Purpose: A social networking tool for e-learning (not maintained).

Honours, Awards, & Fellowships

Awards

2018	Outstanding reviewer by Computer Standards & Interfaces (Elsevier)
2017	Outstanding reviewer by Journal of Web Semantics (Elsevier)
2015	Best demonstration at the International Semantic Web Conference (ISWC'15)
2016 Fall	Second place by IMT3891 Web Project III students at the hack4no idea competition

Honours

2008	Graduation with distinction (M.Sc.) from Isik University, Turkey
2006–2008	High honour (M.Sc.) from Isik University, Turkey
2006	Graduation with distinction (B.Sc.) from Isik University, Turkey
2002–2006	High Honour (B.Sc.) from Isik University, Turkey

Fellowships

2013–2013	Visiting researcher fellowship to University of Oxford, the UK
2012–2015	Postdoctoral Research Fellowship from University of Oslo, Norway
2008–2012	Ph.D. Fellowship from KU Leuven, Belgium IOF Industrieel Onderzoeksfonds (Industrial Research Fund)
2006–2008	M.Sc. Fellowship from Turkish Scientific and Technological Research Council (TUBITAK), Turkey
2006–2008	M.Sc. Fellowship from Isik University, Turkey
2002–2006	High Achievement Scholarship (B.Sc.) from Isik University, Turkey

Publications

Journal Articles

- [1] Vidar Klungre, Ahmet Soylu, Ernesto Jimenez Ruiz, Evgeny Kharlamov, and Martin Giese. “Query Extension Suggestions for Visual Query Systems through Ontology Projection and Indexing”. In: *New Generation Computing* 37.4 (2019), pp. 361–392. DOI: [10.1007/s00354-019-00071-1](https://doi.org/10.1007/s00354-019-00071-1).

- [2] Ahmet Soylu, Evgeny Kharlamov, Dimitry Zheleznyakov, Ernesto Jimenez Ruiz, Martin Giese, Martin G. Skjæveland, Dag Hovland, Rudolf Schlatte, Sebastian Brandt, Hallstein Lie, and Ian Horrocks. "OptiqueVQS: a Visual Query System over Ontologies for Industry". In: *Semantic Web 9.5* (2018), pp. 627–660. DOI: [10.3233/SW-180293](https://doi.org/10.3233/SW-180293).
- [3] Evgeny Kharlamov, Dimitris Bilidas, Dag Hovland, Ernesto Jimenez-Ruiz, Davide Lanti, Hallstein Lie, Martin Rezk, Martin G. Skjæveland, Ahmet Soylu, Guohui Xiao, Dmitriy Zheleznyakov, Martin Giese, Yannis Ioannidis, Yannis Kotidis, Manolis Koubarakis, and Arild Waaler. "Ontology Based Data Access in Statioil". In: *Journal of Web Semantics* 44 (2017), pp. 3–36. DOI: [10.1016/j.websem.2017.05.005](https://doi.org/10.1016/j.websem.2017.05.005).
- [4] Evgeny Kharlamov, Theofilos Mailis, Gulnar Mehdi, Christian Neuenstadt, Ozgur Ozcep, Mikhail Roshchin, Nina Solomakhina, Ahmet Soylu, Christoforos Svingos, Sebastian Brandt, Martin Giese, Yannis Ioannidis, Steffen Lamparter, Ralf Moller, Yannis Kotidis, and Arild Waaler. "Semantic Access to Streaming and Static Data at Siemens". In: *Journal of Web Semantics* 44 (2017), pp. 54–74. DOI: [10.1016/j.websem.2017.02.001](https://doi.org/10.1016/j.websem.2017.02.001).
- [5] Ahmet Soylu, Martin Giese, Rudolf Schlatte, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, Ozgur Ozcep, Christian Neuenstadt, and Sebastian Brandt. "Querying Industrial Stream-Temporal Data: an Ontology-based Visual Approach". In: *Journal of Ambient Intelligence and Smart Environments* 9.1 (2017), pp. 77–95. DOI: [10.3233/AIS-160415](https://doi.org/10.3233/AIS-160415).
- [6] Ahmet Soylu, Martin Giese, Ernesto Jimenez-Ruiz, Guillermo Vega-Gorgojo, and Ian Horrocks. "Experiencing OptiqueVQS – a multi-paradigm and ontology-based visual query system for end-users". In: *Universal Access in the Information Society* 15.1 (2016), pp. 129–152. DOI: [10.1007/s10209-015-0404-5](https://doi.org/10.1007/s10209-015-0404-5).
- [7] Ahmet Soylu, Martin Giese, Evgeny Kharlamov, Ernesto Jimenez-Ruiz, Dmitriy Zheleznyakov, and Ian Horrocks. "Ontology-based End-user Visual Query Formulation: Why, what, who, how, and which?" In: *Universal Access in the Information Society* 16.2 (2016), pp. 435–467. DOI: [10.1007/s10209-016-0465-0](https://doi.org/10.1007/s10209-016-0465-0).
- [8] Guillermo Vega-Gorgojo, Martin Giese, Simen Heggstøyl, Ahmet Soylu, and Arild Waaler. "Querying Semantic Datasets with PepeSearch". In: *PLoS ONE* 11.3 (2016). DOI: [10.1371/journal.pone.0151573](https://doi.org/10.1371/journal.pone.0151573).
- [9] Guillermo Vega-Gorgojo, Laure Slaughter, Martin Giese, Simen Heggstøyl, Ahmet Soylu, and Arild Waaler. "Visual query interfaces for semantic datasets: an evaluation study". In: *Journal of Web Semantics* 39 (2016), pp. 81–96. DOI: [10.1016/j.websem.2016.01.002](https://doi.org/10.1016/j.websem.2016.01.002).
- [10] Martin Giese, Ahmet Soylu, Guillermo Vega-Gorgojo, Arild Waaler, Peter Haase, Ernesto Jimenez-Ruiz, Davide Lanti, Martin Rezk, Guohui Xiao, Ozgur Ozcep, and Riccardo Rosati. "Optique – Zooming In on Big Data Access". In: *IEEE Computer Magazine* 48.3 (2015), pp. 60–67. DOI: [10.1109/MC.2015.82](https://doi.org/10.1109/MC.2015.82).
- [11] Ahmet Soylu, Felix Modritscher, and Patrick De Causmaecker. "Ubiquitous web navigation through harvesting embedded semantic data: A mobile scenario". In: *Integrated Computer-Aided Engineering* 19.1 (2012), pp. 93–109. DOI: [10.3233/ICA-2012-0393](https://doi.org/10.3233/ICA-2012-0393).
- [12] Ahmet Soylu, Felix Moedritscher, Fridolin Wild, Patrick De Causmaecker, and Piet Desmet. "Mashups by orchestration and widget-based personal environments: Key challenges, solution strategies, and an application". In: *Program: Electronic Library and Information Systems* 46.4 (2012), pp. 383–428. DOI: [10.1108/00330331211276486](https://doi.org/10.1108/00330331211276486).
- [13] Ahmet Soylu, Patrick De Causmaecker, Davy Preuveneers, Yolande Berbers, and Piet Desmet. "Formal modelling, knowledge representation and reasoning for design and development of user-centric pervasive software: a meta-review". In: *International Journal of Metadata, Semantics and Ontologies* 6.2 (2011), pp. 96–125. DOI: [10.1504/IJMSO.2011.046595](https://doi.org/10.1504/IJMSO.2011.046595).

- [14] Ahmet Soylu, Patrick De Causmaecker, and Fridolin Wild. "Ubiquitous Web for Ubiquitous Computing Environments: The Role of Embedded Semantics". In: *Journal of Mobile Multimedia* 6.1 (2010), pp. 26–48.
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Books, Book Chapters and Booklets

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