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Overview

Personal

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

Scholarly metrics

Impact: citations 1570, h-index 23, and i10-index 35 according to [Google Scholar](#).

Publications: 22 journal articles, 55 conference/workshop papers, 3 book chapters, 3 popular scientific articles, 1 technical report, and 2 proceedings.

Popular Dissemination: 3 international invited talks and 3 popular scientific articles.

Projects

Participated: 9 EU projects, 7 national projects, 7 industrial projects, 3 PhD/postdoc grants, and 2 organisation/event support.

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: SkyTrack (national), 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, 2 master, and 7 bachelor level courses.

Courses responsible: 1 course coordinator.

Supervision: 1 PostDoc, 4 PhD, 12 master, and 2 bachelor students.

Formal qualification: 200 hours through 6 modules (seminars, summer schools etc.).

Service

Scientific: 1 promotion committee member, 1 technical task force member, 8 editorial board member, 6 conference chair/organiser, 7 international project reviewer, 32 journal reviewer, and 39 conference reviewer/PC member roles.

Educational: 1 PhD evaluation committee chair, 5 external/internal sensor roles, and 2 educational affairs committee member (main and deputy), 1 Master program evaluation panel member roles.

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

Network

Academic: more than 110 international co-authors – see [dblp](#) and [Scopus](#).

Industry/public: Equinor, Siemens, Ahus, Aker Solutions, Aibel, Prediktor, Backe, DNV GL, etc.

Research interests

Data Management and Integration, Knowledge Representation, Data Science, Web Technologies, Semantic Web, Digital Transformation, and Big Data.

Employment

2020–today	Professor , Department of Computer Science, OsloMet – Oslo Metropolitan University , Oslo, Norway
2018–2020	Senior Research Scientist , Smart Data Group, SINTEF Digital , Oslo, Norway
2017–2018	Senior Engineer , Information Risk Management Group, DNV GL - Digital Solutions , Høvik, Norway
2014–today	Associate Professor , Department of Computer Science, Norwegian University of Science and Technology – NTNU , Gjøvik, Norway
2012–2015	Postdoctoral Research Fellow , Department of Informatics, University of Oslo – UiO , Oslo, Norway
05-10/2012	Postdoctoral Research Fellow , Department of Informatics, KU Leuven , Leuven, Belgium
2008–2012	PhD Research Fellow , Department of Informatics, KU Leuven , Leuven, Belgium
2006–2008	Team leader and Research Assistant , Department of Computer Science, Isik University , Istanbul, Turkey

Mobility

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

Major Institutional Roles (selected)

2020–today	Deputy member , Educational Affairs Committee (Undervisningsutvalget), Department of Computer Science, Norwegian University of Science and Technology – NTNU, Norway
2020–2021	Co-lead , Technical Task Force on Standardisation, Big Data Value Association (BDVA)
2018–2020	Technical/scientific manager , TheyBuyForYou project – Enabling procurement data value chains for economic development, demand management, competitive markets and vendor intelligence, EU H2020
2018–2020	Member , Educational Affairs Committee (Undervisningsutvalget), Department of Computer Science, Norwegian University of Science and Technology – NTNU, Norway
2016–2019	Co-lead , Gemini Center on Big Data, University of Oslo – UiO, Norwegian University of Science and Technology – NTNU, and SINTEF Digital , Norway

Education

2008–2012	Ph.D. in Computer Science, 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, 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, Isik University , Istanbul, Turkey

Other Competences

Pedagogical

2020 Spring	Inclusive education, Norwegian University of Science and Technology – NTNU, Trondheim, Norway Selective module on inclusive education – 20 hours
2020 Spring	Involving students in research, Norwegian University of Science and Technology – NTNU, Trondheim, Norway Selective module on creating meaning by involving students in research – 20 hours
2019 Fall	Research-based teaching, Norwegian University of Science and Technology – NTNU, Gjøvik, Norway Linking research and teaching by Prof. dr. Mick Healey – 5 hours

2018 Spring	PhD supervisor seminar, Norwegian University of Science and Technology – NTNU, Trondheim, Norway PhD supervision training – 15 hours
2016 Spring	Teaching and Learning in Higher Education, University of Oslo – UiO, Oslo, Norway Basic pedagogical competence – 100 hours

Interdisciplinary

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
2016–2020	Software Carpentry for Scientist and Engineers, University of Oslo – UiO, Oslo, Norway Attended workshops on an occasional basis

Management

2018 Fall	Project Management, SINTEF Digital, Trondheim, Norway Two and half days course
2017 Spring	Project Acquisition and Management, DNV GL - Digital Solutions, Høvik, Norway Day course

Language

2016 Spring	Intermediate Norwegian Level 3, University of Oslo – UiO, Oslo, Norway 20 study points/credits
2015 Fall	Intermediate Norwegian Level 2, University of Oslo – UiO, Oslo, Norway 15 study points/credits
2015 Spring	Elementary Norwegian Level 1, University of Oslo – UiO, Oslo, Norway 15 study points/credits

Projects

Academic international

2018–2020	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
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- Role: **Technical/scientific manager and WP leader** – managing technical and scientific progress of the project and leading a work package on data integration and ontology development.
- 2018–2019 **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.
- 2014–2017 **Byte** – The Big data roadmap and cross-disciplinary community for addressing social Externalities
 Programme: EU FP7, 2.8M EUR – <http://http://byte-project.eu>
 Role: **Researcher** – contributed to **proposal writing** and research on industrial use cases.
- 2012–2017 **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.
- 2009–2012 **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.
- 2006–2008 **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.
- 2007–2008 **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.
- 2006–2008 **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.
- 2006–2008 **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.

Academic national

- 2020–2020 **SkyTrack** – Cloud-based Operation Management Systems (with industry)

- 2018–2020 **MDS – Maritime Data Spaces (with industry)**
 Programme: The Research Council of Norway, 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.
- 2018–2021 **DigiBuild – Digitalising the construction process (with industry)**
 Programme: The Research Council of Norway, 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.
- 2016–2019 **Gemini Centre on Big Data – A collaboration and networking centre established between Norwegian University of Science and Technology – NTNU, University of Oslo – UiO, 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: The Research Council of Norway, 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 (Industrieel 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)

2017–2018	<p>Role: Contributor – design and development of an ontology-based requirements handling and verification tool in maritime domain.</p> <p>NORSOK - ZTI – ontology-based requirements handling</p> <p>Owner: Standard Norge, Aibel, and DNV GL</p>
2017–2018	<p>Role: Contributor – design and implementation of an ontology-based explorer for requirement management based on NORSOK Z standard.</p> <p>OREDA – Offshore and onshore reliability data</p> <p>Owner: Joint industrial project (JIP)</p>
2017–2018	<p>Role: Contributor – consultancy on reliability data collection, integration, and management.</p> <p>Document Mining&Search</p> <p>Owner: DNV GL</p>
01-04/2017	<p>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.</p> <p>PUSH project – engineering assistant</p> <p>Owner: Aker Solutions</p>
2015–2016	<p>Role: Contributor – design and implementation of an ontology-based user interface specification and configuration tool.</p> <p>Ahus project – Patient record management system</p> <p>Owner: Southern and Eastern Norway Regional Health Authority</p> <p>Role: Contributor – design and implementation of ontology-based patient information system.</p>

PhD/Postdoc fellowship grants

2020–today	<p>Industrial PhD – Funding for a PhD student for three years.</p> <p>Programme: Industrial PhD funding from The Research Council of Norway and Prediktor</p> <p>Role: PI – supervisor.</p>
2020–today	<p>Integrated PhD – Funding for an integrated PhD student for five years.</p> <p>Programme: Internal funding from Norwegian University of Science and Technology – NTNU</p> <p>Role: PI – supervisor.</p>
2020–today	<p>Postdoc – Funding for a postdoc fellow for one year.</p> <p>Programme: European Research Consortium for Informatics and Mathematics (ERCIM)</p> <p>Role: PI – supervisor.</p>

Organisation/event support

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| 2020–2020 | <p>DeclarativeAI 2020 – Rules, Reasoning, Decisions, and Explanations (joint events)</p> <p>Programme: IKTPlus support from The Research Council of Norway, 100K NOK, co-organised by SINTEF, University of Oslo – UiO, and Norwegian University of Science and Technology – https://2020.declarativeai.net/</p> <p>Role: PI – conference organisation.</p> |
| 2020–2020 | <p>DeclarativeAI 2020 – Rules, Reasoning, Decisions, and Explanations (joint events)</p> <p>Programme: Norwegian University of Science and Technology support, 50K NOK</p> <p>Role: PI – conference organisation.</p> |

Collaboration Efforts/Agreements

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| 2020–today | <p>Bosch AI Center and Norwegian University of Science and Technology – NTNU, Collaboration on research and supervision.</p> <p>Role: Conducting joint research and supervision activities.</p> |
| 2017–2018 | <p>DNV GL and Norwegian University of Science and Technology – NTNU, Collaboration on research and teaching.</p> |
| 2018—today | <p>SINTEF and Norwegian University of Science and Technology – NTNU, Collaboration on research and teaching.</p> <p>Role: Undertaking a joint position and conducting joint project acquisition and master thesis supervision activities.</p> |
| 2017–2018 | <p>DNV GL and Norwegian University of Science and Technology – NTNU, Collaboration on research and teaching.</p> <p>Role: Undertaken a joint position; received DNV GL funding for teaching one master level course; conducted joint supervision and project acquisition activities.</p> |
| 2017–2020 | <p>University of Oxford and Norwegian University of Science and Technology – NTNU, Collaboration on research.</p> <p><i>Role:</i> Undertaking joint research and project acquisition activities.</p> |
| 2014—today | <p>University of Oslo – UiO and Norwegian University of Science and Technology – NTNU, Collaboration on research and teaching.</p> <p>Role: Undertaken a joint position; received University of Oslo – UiO funding for research activities on Optique project; conducting joint supervision and project acquisition activities.</p> |
| 2012–2015 | <p>University of Oxford and University of Oslo – UiO, Collaboration on research.</p> <p>Role: Undertaken joint research activities and had short and long research stays.</p> |
| 2008–2012 | <p>The Open University and KU Leuven, Collaboration on research.</p> <p>Role: Undertaken joint research activities and had short research stays.</p> |

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

2021–today **Globalisation of Technology, OsloMet – Oslo Metropolitan University**, Oslo, Norway
Master level, **Lecturer**, 1 semester

2020 Spring **WWW Technology, Norwegian University of Science and Technology – NTNU**, Gjøvik, Norway
Bachelor level, **Guest lecturer**, 1 semester

2020 Spring **Front-end Development, Norwegian University of Science and Technology – NTNU**, Gjøvik, Norway
Bachelor level, **Guest lecturer**, 1 semester

2019–2020 **Programming for Web II, Norwegian University of Science and Technology – NTNU**, Gjøvik, Norway
Bachelor level, **Course responsible**, 2 semesters

2016 Spring **Special compendium in HCI, University of Oslo – UiO**, Oslo, Norway
PhD level, **Supervisor**

2016–today **Introduction to Research on Web Technologies, Norwegian University of Science and Technology – NTNU**, Gjøvik, Norway
Master level, **Lecturer**, 5 semesters

2015–2018 **Programming for Web II, Norwegian University of Science and Technology – NTNU**, Gjøvik, Norway
Bachelor level, **Lecturer**, 3 semesters

2014–2020 **Web Project III, Norwegian University of Science and Technology – NTNU**, Gjøvik, Norway
Bachelor level, **Lecturer**, 7 semesters

2013–2015 **Database Systems, University of Oslo – UiO**, Oslo, Norway
Bachelor level, **Guest Lecturer**, 2 semesters

2009–2011 **Data Structures & Algorithms, KU Leuven**, Kortrijk, Belgium
Bachelor level, **Teaching assistant**, 3 semesters

2008 Fall **Software Engineering, Isik University**, Istanbul, Turkey
Bachelor level, **Teaching assistant**, 1 semester

Supervision

Postdoc

2019–2021	Multi-criteria decision analysis (MCDA) in the maritime domain Fellow: Bekir Sahin (ERCIM fellowship) Supervisor, Norwegian University of Science and Technology – NTNU, Gjøvik, Norway
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PhD

2021–today	Flexible Deployment of Big Data Pipelines on the Cloud/Edge/Fog Continuum Student: Nikolay Nikolov Co-supervisor, University of Oslo – UiO, Oslo, Norway
2020–today	Specification of Big Data Workflows on the Computing Continuum Student: Akif Kuddus Khan Supervisor, Norwegian University of Science and Technology – NTNU, Gjøvik, Norway
2020–today	Model-driven Engineering of Operations Management Systems using Standardised Plant and Process Models Student: Magnus Bakken Supervisor, Norwegian University of Science and Technology – NTNU, Gjøvik, Norway
2016–2020	Adaptive Query Extension Suggestions for Ontology-Based Visual Query Systems Student: Vidar Klungre Co-supervisor with Prof. dr. Martin Giese, University of Oslo – UiO, Oslo, Norway

Master

2021–today	Machine learning pipelines (short thesis) Student: 1 student Supervisor, OsloMet – Oslo Metropolitan University, Oslo, Norway
2020–today	Various topics on Knowledge Graphs (long theses) Student: 3 students Co-supervisor with supervisor dr. Dumitru Roman, University of Oslo – UiO, Oslo, Norway
2020–today	Various topics on Data Analysis (short theses) Student: 2 students

	Supervisor, Norwegian University of Science and Technology – NTNU, Gjøvik, Norway
2020–2020	Big Data Workflows Using Software Containers Student: Yared Dejene Dessalk
	Co-supervisor with supervisor dr. Dumitru Roman and Prof. dr. Mihhail Matskin, KTH Royal Institute of Technology, Stockholm, Sweden
2020–2020	Motivate people for more physical activity indoors with Web Technologies (short thesis) Student: Lu Jiang Zhou
	Co-supervisor with supervisor Yuanhua Liu, Norwegian University of Science and Technology – NTNU, Gjøvik, Norway
2019–2019	An Approach for EasySpecification of Interactive Data Visualisations (short thesis) Student: Magdalena Kowalczyk
	Supervisor, Norwegian University of Science and Technology – NTNU, Gjøvik, Norway
2018–2019	Predictive Data Transformation Suggestions in Grafterizer (long thesis) Student: Saliha Sajid
	Co-supervisor with supervisor dr. Dumitru Roman, University of Oslo – UiO, Oslo, Norway
2016–2017	Ontology-Based SPARQL Extension Ranker (long thesis) Student: Magnus Arneberg Nilsen
	Supervisor with co-supervisor Prof. dr. Martin Giese, University of Oslo – UiO, Oslo, Norway
2014–2015	Ontology-based Collaborative Visual Query Formulation (long thesis) Student: Yasar Mumtaz
	Supervisor with co-supervisor Prof. dr. Martin Giese, University of Oslo – UiO, Oslo, Norway

Bachelor

2016 Spring	An Online Payment and Invoicing System Students: Fredrik Andre and Kim Erik
	Supervisor, Norwegian University of Science and Technology – NTNU, Gjøvik, Norway

Professional Activities

Educational

2020–today	Deputy member , Educational Affairs Committee, (Undervisningsutvalget), Norwegian University of Science and Technology – NTNU, Trondheim, Norway
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	Department of Computer Science
2020–2020	Panel member , Evaluation committee for Master of Applied Computer Science (MACS), Norwegian University of Science and Technology – NTNU , Gjøvik, Norway Department of Computer Science
2020–2020	External examiner , Bachelor theses, OsloMet – Oslo Metropolitan University , Oslo, Norway Department of Computer Science
2020–2020	Internal examiner , PhD course (Specialisation on Web Technology), Norwegian University of Science and Technology – NTNU , Gjøvik, Norway Department of Computer Science
2020–2020	Internal examiner , Master course (Research Planning), Norwegian University of Science and Technology – NTNU , Gjøvik, Norway Department of Computer Science
2020–2020	Internal examiner , Master theses, Norwegian University of Science and Technology – NTNU , Gjøvik, Norway Department of Computer Science
2018–2020	Member , Educational Affairs Committee, (Undervisningsutvalget), Norwegian University of Science and Technology – NTNU , Trondheim, Norway Department of Computer Science
2018–2018	External examiner , Master thesis, University of Oslo – UiO , Oslo, Norway Department of Informatics
2017–2017	Chair and member , PhD thesis assessment committee at Norwegian University of Science and Technology – NTNU , Gjøvik, Norway PhD Candidate Zenun Kastrati

Scientific

2020–today	Co-lead , Technical Task Force on Standardisation, Big Data Value Association (BDVA)
2019–2019	Member , Technical review panel for Advanced Manufacturing and Engineering (AME) funding initiative, Agency for Science, Technology and Research (A*STAR) , Singapore
2018–today	Technical coordinator , TheyBuyForYou project – Enabling procurement data value chains for economic development, demand management, competitive markets and vendor intelligence, EU H2020
2016–2019	Co-lead , Gemini Center on Big Data of University of Oslo – UiO , Norwegian University of Science and Technology – NTNU , and SINTEF , Norway

Administrative

2020–2020	Reviewer , Promotion committee, Arab American University-Jenin , Jenin, Palestine Associate Professor position
2020–2020	Member , Search committee, Norwegian University of Science and Technology , Gjøvik, Norway Associate Professor position
2018–2018	Member , Advisory and interview committee for hiring, Norwegian University of Science and Technology – NTNU , Gjøvik, Norway Associate Professor position
2018–2018	Chair and member , External hiring committee, Norwegian University of Science and Technology – NTNU , Gjøvik, Norway Associate Professor position
2018–2018	Chair and member , Internal hiring committee, Norwegian University of Science and Technology – NTNU , Gjøvik, Norway Associate Professor position

Journal board

2020–today	Associate editor , Data Technologies and Applications journal
2020–2020	Guest editor , Sensors Special issue on Sensors with Machine Learning Methods for Assisted Systems - Recent Advances and Future Trends
2019–today	Editorial board member , Information journal
2018–today	Editorial board member , Sensors journal
2018–today	Editorial board member , Scientific Programming journal
2017–today	Editorial board member , Journal of Web Semantics (JWS)
2017–2018	Guest editor , Multimodal Technologies and Interaction Special issue on Interactive Web
2016–today	Editorial board member , International Journal of Privacy and Health Information Management

Conference chair/organiser

2020–2020	General chair , the 4th International Joint Conference on Rules and Reasoning (RuleML+RR 2020) co-organised by SINTEF, University of Oslo – UiO, and Norwegian University of Science and Technology – NTNU
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2020–2020	<p>Co-organiser, DeclarativeAI 2020 – Rules, Decisions, and Reasoning (three co-located events) co-organised by SINTEF, University of Oslo – UiO, and Norwegian University of Science and Technology – NTNU</p> <p>The 4th International Joint Conference on Rules and Reasoning (RuleML+RR 2020); DecisionCamp 2020;</p> <p>The 16th Reasoning Web Summer School (RW 2020); and, RuleML+RR 2020 Satellite Events</p>
2019–2019	Co-chair , RuleML+RR 2019 Rules Challenge track – The 3rd International Joint Conference on Rules and Reasoning
2018–2018	Vice chair , ODBASE 2018 – The 17th International Conference on Ontologies, DataBases, and Applications of Semantics
2018–2018	Track chair , Innovate-Data 2018 (Data Visualisation track) – The 4th International Conference on Big Data Innovations and Applications

Project reviewer

2020–2020	Reviewer , Latvian Council of Science, Latvia
2019–2019	Reviewer , Agency for Science, Technology and Research (A*STAR), Singapore
2019–2019	Reviewer , Austrian Science Fund (FWF), Austria
2018–2018	Reviewer , Netherlands Organisation for Scientific Research (NWO), Netherlands
2018–2018	Reviewer , Leibniz Association, Germany
2017–2017	Reviewer , Netherlands Organisation for Scientific Research (NWO), Netherlands
2014–2014	Reviewer , National Science Centre, Poland

Journal reviewer

[1] Knowledge-based Systems; [2] Future Internet; [3] IEEE Access; [4] Publications; [5] Scientometrics; [6] Remote Sensing; [7] New Generation Computing; [8] Journal of Systems and Software; [9] Computer Standards & Interfaces; [10] Journal of Web Semantics (JWS); [11] Journal of Web Engineering (JWE); [12] Journal of Ambient Intelligence and Smart Environments (JAISE); [13] International Journal of Privacy and Health Information Management (IJPHIM); [14] International Journal on Semantic Web and Information Systems (IJSWIS); [15] International Journal of Geo-Information [16] Production & Manufacturing Research [17] Journal of Internet Services and Applications (JISA); [18] Entropy; [19] Computers; [20] Information; [21] Sustainability; [22] Journal of Experimental and Theoretical Artificial Intelligence (JETAI); [23] International Journal of Big Data Intelligence (IJBDI); [24] Integrated Computer-Aided Engineering (ICAE); [25] Ecological Informatics; [26] SENSORS; [27] Computational and Mathematical Methods in Medicine; [28] JZUS-C; [29] Biomedical Engineering Research (BER); [30] International Journal of Metadata, Ontologies and Semantics (IJMSO); [31] International Journal of Technology Enhanced Learning (IJTEL); [32] Journal of Mobile Multimedia (JMM).

Conference reviewer/ PC member

[1] The 19th International Semantic Web Conference (ISWC 2020); [2] The 15th International Symposium on Visual Computing (ISVC 2020); [3] The 14th International Conference on Metadata and Semantics Research (MTSR 2020); [4] 1st International Conference on Artificial Intelligence & Modern Assistive Technology (ICAEMAT 2020); [5] 12th International Conference on Computational Intelligence and Communication Networks (CICN 2020); [6] The 19th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2020); [7] The 2nd International Workshop on Knowledge Graph Building (KGB @ ISWC 2020); [8] The 2nd Workshop on Semantic Explainability (SemEx @ ISWC 2020); [9] The 14th International Rule Challenge (@ RuleML+RR 2020) [10] International Workshop on Visualisation and Interaction for Ontologies and Linked Data (VOILA @ISWC 2020); [11] 1st Conference on Internet of Things and Embedded Intelligence (CITEI 2020); [12] The 3rd International Conference on Computer Applications and Information Security (ICCAIS 2020); [13] The 16th International Conference on Intelligent Environments (IE2020); [14] The 6th International Management Information Systems Conference (IMISC 2019); [15] The 3rd International Joint Conference on Rules and Reasoning (RuleML + RR 2019); [16] The 18th International Semantic Web Conference (ISWC 2019); [17] The 13th International Conference on Metadata and Semantics Research (MTSR 2019); [18] The 18th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2019); [19] The 1st International Workshop on Knowledge Graph Building (KGB @ ESWC 2019); [20] The 1st Workshop on Semantic Explainability (SemEx 2019 @ ISWC 2019); [21] The 13th International Conference on Advances in Semantic Processing (SEMAPRO 2019); [22] International Workshop on Visualisation and Interaction for Ontologies and Linked Data (VOILA @ESWC 2019); [23] The 12th International Conference on Metadata and Semantics Research (MTSR 2018); [24] The European Conference on Service-Oriented and Cloud Computing (ESOCC 2018); [25] Semantic Web Technologies in Mobile and Pervasive Environments (SEMPER @ESWC 2018); [26] International Workshop on Visualisation and Interaction for Ontologies and Linked Data (VOILA @ESWC 2018); [27] The 12th International Conference on Advances in Semantic Processing (SEMAPRO 2018); [28] International Workshop on Visualisation and Interaction for Ontologies and Linked Data (VOILA @ESWC 2017); [29] Semantic Web Technologies in Mobile and Pervasive Environments (SEMPER @ESWC 2016); [30] International Web Rule Symposium (RuleML 2015); [31] International Web Rule Symposium Challenge (RuleML 2015 Challenge); [32] The 8th Nordic Conference on Human-Computer Interaction (NordicCHI 2014); [33] International Web Rule Symposium (RuleML 2014); [34] International Web Rule Symposium Challenge (RuleML 2014 Challenge); [35] The 8th International Conference on Advances in Semantic Processing (SEMAPRO 2014); [36] International Web Rule Symposium Challenge (RuleML 2013 Challenge); [37] The 18th International Conference on Software, Telecommunications and Computer Networks (SoftCom 2010); [38] Interdisciplinary Research on Technology, Education and Communication (ITEC 2010); [39] The 6th International Conference on Ubiquitous Intelligence and Computing (UIC 2009).

Talks

19.05.2020	Title: Involvement of Research Projects and Standardisation Activities Place: Standards and Innovation: Data and AI Standards Generating Value for SMEs, Big Data Value Association (BDVA) , Webinar
09.09.2019	Title: Data-driven Innovation and Knowledge Graphs Place: Advanced Manufacturing and Engineering (AME) Programmatic Funding Initiative, Agency for Science, Technology and Research (A*STAR) , Singapore
07.11.2018	Title: euBusinessGraph – Leveraging the European Big Data Initiatives

Place: Digital Innovation Hubs Working Group Meeting on Big Data and Artificial Intelligence, **European Commission**, Brussels, Belgium

Open Software

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| 2018–2020 | <p>OCDS ontology, developed within TheyBuyForYou project
 Purpose: An ontology for public procurement.
 https://github.com/TBFY/ocds-ontology</p> |
| 2013–2018 | <p>OptiqueVQS, developed within Optique project
 Purpose: Ontology-based visual query formulation.
 https://gitlab.com/ernesto.jimenez.ruiz/OptiqueVQS</p> |
| 2013–2018 | <p>Ontology services toolkit, developed within Optique project
 Purpose: Ontology projection for navigation.
 https://gitlab.com/ernesto.jimenez.ruiz/ontology-services-toolkit</p> |
| 2013–2018 | <p>PepeSearch, developed within Semicolon II project
 Purpose: A SPARQL query interface.
 https://github.com/guiveg/pepesearch</p> |
| 2008–2012 | <p>Semantic Web Component developed within my PhD work
 Purpose: Linked data browser for end users (not maintained).</p> |
| 2008–2012 | <p>WIPLE, developed within my PhD work
 Purpose: Widget-based personal learning environment (not maintained).</p> |
| 2007–2008 | <p>Feedback plugin, developed within iCamp project
 Purpose: A social networking tool for e-learning (not maintained).</p> |

Honours, Awards, & Fellowships

Awards

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| 2020–2020 | <p>EU funded innovation, The knowledge graph for Open Procurement Data In Europe, European Commission</p> |
| 2018–2018 | <p>Outstanding reviewer, Computer Standards & Interfaces (Elsevier)</p> |
| 2017–2017 | <p>Outstanding reviewer, Journal of Web Semantics (Elsevier)</p> |
| 2015–2015 | <p>Best demonstration, the 14th International Semantic Web Conference (ISWC'15)</p> |
| 2016–2016 | <p>Second place by IMT3891 Web Project III students, the hack4no idea competition</p> |

Honours

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

Fellowships

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

Publications

Journal Articles

- [1] Renate Kratochvil, Mariya Khanamiryan, Ahmet Soylu, and Ragnhild Kvålshaugen. “Do not take them for granted – Organizational context factors that stimulate digital mindsets to unfold”. In: *Information Systems* (under review) (2020).
- [2] Dumitru Roman, Vladimir Alexiev, Javier Paniagua, Brian Elvesæter, Bjørn Marius Von Zernichow, Ahmet Soylu, Boyan Simeonov, and Chris Taggart. “The euBusinessGraph Ontology: a Lightweight Ontology for Harmonizing Basic Company Information”. In: *Semantic Web* (under review) (2020).
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- [6] Bekir Shain, Tsz Leung Yip, Po-Hsing Tseng, Mehmet Kabak, and Ahmet Soylu. “An Application of a Fuzzy TOPSIS Multi-Criteria Decision Analysis Algorithm for Dry Bulk Carrier Selection”. In: *Information* 11.5 (2020), 251:1–251:16. DOI: [10.3390/info11050251](https://doi.org/10.3390/info11050251).

- [7] Ahmet Soylu, Oscar Corcho, Brian Elvesæter, Carlos Badenes-Olmedo, Francisco Yedro Martinez, Tom Blount, Matej Kovacic, Matej Posinkovic, Ian Makgill, Chris Taggart, Elena Simperl, Till C. Lech, and Dumitru Roman. "TheyBuyForYou Platform and Knowledge Graph: Expanding Horizons in Public Procurement with Open Linked Data". In: *Semantic Web* (under review) (2020).
- [8] 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).
- [9] 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).
- [10] 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).
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- [23] Martin Giese, Diego Calvanese, Peter Haase, Ian Horrocks, Yannis Ioannidis, Herald Kllapi, Manolis Koubarakis, Maurizio Lenzerini, Ralf Möller, Özgür Özcep, Mariano Rodriguez-Muro, Riccardo Rosati, Rudolf Schlatte, Michael Schmidt, Ahmet Soylu, and Arild Waaler. “Scalable End-user Access to Big Data”. In: *Big Data Computing*. Ed. by Rajendra Akerkar. CRC Press, 2013, pp. 205–244. DOI: [10.1201/b16014-9](https://doi.org/10.1201/b16014-9).
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- [26] Dumitru Roman and Ahmet Soylu. *Enabling the European Business Knowledge Graph for Innovative Data-Driven Products and Services*. ERCIM News (121), pp. 31–32. 2020. URL: <https://ercim-news.ercim.eu/en121/r-i/enabling-the-european-business-knowledge-graph-for-innovative-data-driven-products-and-services>.
- [27] Bekir Sahin and Ahmet Soylu. *An Automatic Anomaly Detection System (AADS) for Fully Autonomous Ships*. ERCIM News (122), pp. 51–52. 2020. URL: <https://ercim-news.ercim.eu/en122/special/an-automatic-anomaly-detection-system-aads-for-fully-autonomous-ships>.
- [28] Ahmet Soylu and Till Christopher Lech. *Browse, Visualise, Analyse EU Procurement Data*. ERCIM News (120), pp. 45–46. 2020. URL: <https://ercim-news.ercim.eu/en120/r-i/browse-visualise-analyse-eu-procurement-data>.

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- [29] Yared Dejene Dessalk, Nikolay Nikolov, Mihhail Matskin, Ahmet Soylu, and Dumitru Roman. “Scalable Execution of Big Data Workflows using Software Containers”. In: *Proceedings of the 12th International Conference on Management of Emergent Digital EcoSystems (MEDES 2020)*. Abu Dhabi, UAE: ACM, 2020, pp. 76–83. DOI: [10.1145/3415958.3433082](https://doi.org/10.1145/3415958.3433082).

- [30] Dumitru Roman, Vladimir Alexiev, Javier Paniagua, Brian Elvesæter, Bjørn Marius Von Zernichow, Ahmet Soylu, Boyan Simeonov, and Chris Taggart. "A Bird's-Eye View of euBusinessGraph: A Business Knowledge Graph for Company Data". In: *Proceedings of the ISWC 2020 Demos and Industry Tracks: From Novel Ideas to Industrial Practice*. Vol. 2721. CEUR Workshop Proceedings. Virtual Event, Greece: CEUR-WS.org, 2020. URL: <http://ceur-ws.org/Vol-2721/paper493.pdf>.
- [31] Bekir Sahin, Zia Uddin, and Ahmet Soylu. "Towards Optimal Ship Navigation Using Image Processing". In: *Proceedings of the 15th International Symposium on Visual Computing (ISVC 2020)*. LNCS. Virtual Event, USA: Springer, 2020.
- [32] Simen Dyve Samuelsen, Nikolay Nikolov, Ahmet Soylu, and Dumitru Roman. "An Approach for Representing and Storing RDF Data in Multi-model Databases". In: *Proceedings of 14th International Conference on Metadata and Semantics Research (MTSR 2020)*. CCIS. Madrid, Spain: Springer, 2020.
- [33] Ahmet Soylu, Oscar Corcho, Brian Elvesæter, Carlos Badenes-Olmedo, Francisco Yedro Martinez, Matej Kovacic, Matej Posinkovic, Ian Makgill, Chris Taggart, Elena Simperl, Till C. Lech, and Dumitru Roman. "Enhancing Public Procurement in the European Union through Constructing and Exploiting an Integrated Knowledge Graph". In: *Proceedings of 19th International Semantic Web Conference (ISWC 2020)*. Vol. 12507. LNCS. Athens, Greece: Springer, 2020, pp. 430–446. DOI: [10.1007/978-3-030-62466-8_27](https://doi.org/10.1007/978-3-030-62466-8_27).
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- [35] Baifan Zhou, Yulia Svetashova, Tim Pychynski, Ildar Baimuratov, Ahmet Soylu, and Evgeny Kharlamov. "SemFE: Facilitating ML Pipeline Development with Semantics". In: *Proceedings of the 29th ACM International Conference on Information and Knowledge Management (CIKM 2020)*, Virtual Event, Ireland: ACM, 2020. DOI: [10.1145/3340531.3417436](https://doi.org/10.1145/3340531.3417436).
- [36] Shady Abd El Kader, Nikolay Nikolov, Bjørn Marius Von Zernichow, Vincenzo Cutrona, Matteo Palmonari, Brian Elvesæter, Ahmet Soylu, and Dumitru Roman. "Modeling and Publishing French Business Register (Sirene) Data as Linked Data Using the euBusinessGraph Ontology". In: *Joint Proceedings of the International Workshops on Sensors and Actuators on the Web, and Semantic Statistics (SAWSemStats@ISWC 2019)*. Vol. 2549. CEUR Workshop Proceedings. Auckland, New Zealand: CEUR-WS.org, 2019. URL: <http://ceur-ws.org/Vol-2549/article-06.pdf>.
- [37] Saliha Sajid, Bjørn Marius Von Zernichow, Ahmet Soylu, and Dumitru Roman. "Predictive Data Transformation Suggestions in Grafterizer using Machine Learning". In: *Proceedings of 13th International Conference on Metadata Semantics and Research Conference (MTSR 2019)*. Vol. 1057. CCIS. Rome, Italy: Springer, 2019, pp. 137–149. DOI: [10.1007/978-3-030-36599-8_12](https://doi.org/10.1007/978-3-030-36599-8_12).
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- [39] Ahmet Soylu, Brian Elvesæter, Philip Turk, Dumitru Roman, Óscar Corcho, Elena Simperl, Ian Makgill, Chris Taggart, Marko Grobelnik, and Till Christopher Lech. "An Overview of the TBFY Knowledge Graph for Public Procurement". In: *Proceedings of the ISWC 2019 Posters & Demonstrations, Industry, and Outrageous Ideas*. Vol. 2456. CEUR Workshop Proceedings. Auckland, New Zealand: CEUR-WS.org, 2019, pp. 53–56. URL: <http://ceur-ws.org/Vol-2456/paper14.pdf>.

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