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Personal

Born on 1984.

Married.

Turkish citizen.

Speaks Turkish, English and Norwegian.

Areas of Specialisation

Research interests include: end-user development, the semantic web, pervasive computing, adaptive systems, knowledge representation, software engineering, and big data.

Employment

2016–today	Associate Professor at <i>Norwegian University of Science and Technology</i> , Gjøvik, Norway
2014–2015	Associate Professor at <i>Gjøvik University College</i> , Gjøvik, Norway
2012–2015	Postdoctoral Research Fellow at <i>University of Oslo</i> , Oslo, Norway
05-08/2013	Visiting Researcher at <i>University of Oxford</i> , Oxford, UK
05-10/2012	Postdoctoral Research Fellow at <i>University of Leuven</i> , Leuven, Belgium
2008–2012	PhD Research Fellow at <i>University of Leuven</i> , Leuven, Belgium
2006–2008	Research Assistant at <i>Isik University</i> , Istanbul, Turkey

Education

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

Projects

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| 2014–2017 | Byte – The Big data roadmap and cross-disciplinary community for addressing societal Externalities
<i>Programme:</i> EU FP7 – http://byte-project.eu
<i>Role:</i> Project proposal writing, and researcher linked to industrial use cases. |
| 2012–2016 | Optique – Scalable end-user access to Big Data
<i>Programme:</i> EU FP7 – http://www.optique-project.eu
<i>Role:</i> Lead researcher on visual query formulation. |
| 2009–2012 | ROLE – Responsive Open Learning Environments
<i>Programme:</i> EU FP7 – http://www.role-project.eu
<i>Role:</i> Researcher on widget-based mashups. |
| 2006–2008 | iCamp – Innovative, inclusive, interactive & intercultural learning campus
<i>Programme:</i> EU FP6 – http://www.icamp.eu
<i>Role:</i> Local coordinator and researcher on networked e-learning tools. |
| 2006–2008 | LEFIS and LEGIS – Legal Framework for Information Society
<i>Programme:</i> EU Thematic Network – http://www.lefis.org
<i>Role:</i> Project proposal writing and local coordinator. |
| 2006–2008 | TREE – Teaching and research in Engineering in Europe
<i>Programme:</i> EU Thematic Network – http://www3.unifi.it/tree
<i>Role:</i> Researcher on problem based learning. |

Teaching Activities

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| 2016 Spring | Introduction to Research on Web Technologies at NTNU, Gjøvik
Master level, <i>Lecturer</i> |
| 2016 Fall | Web Project III at NTNU, Gjøvik
Bachelor level, <i>Lecturer</i> |
| 2016 Spring | Programming for Web II at NTNU, Gjøvik
Bachelor level, <i>Lecturer</i> |
| 2015 Spring | Programming for Web II at Gjøvik University College, Gjøvik
Bachelor level, <i>Lecturer</i> |
| 2014 – 2015 | Web Project III at Gjøvik University College, Gjøvik
Bachelor level, <i>Lecturer</i> , (every Fall) |
| 2013 Spring | Database Systems at University of Oslo, Oslo
Bachelor level, <i>Lecturer</i> |
| 2011 Fall | Data Structures & Algorithms at University of Leuven
Bachelor level, <i>Teaching assistant</i> |
| 2010 Fall | Data Structures & Algorithms at University of Leuven
Bachelor level, <i>Teaching assistant</i> |
| 2009 Fall | Data Structures & Algorithms at University of Leuven
Bachelor level, <i>Teaching assistant</i> |
| 2008 Fall | Software Engineering at Isik Univeristy
Bachelor level, <i>Teaching assistant</i> |

Supervision

- 2016 – Vidar Klungre
PhD Thesis, *University of Oslo*
- 2016 – Håvard Wanvik Stenersen on *Adaptive Visual Query Formulation: Data & Ontology*
Master Thesis, *University of Oslo*
- 2016 – Magnus Arneberg Nilsen on *Adaptive Visual Query Formulation: Query Log*
Master Thesis, *University of Oslo*
- 2015 – 2015 Fredrik Andre and Kim Erik on *An Online Payment and Invoicing System*
Bachelor Thesis, *Gjøvik University College*
- 2014 – 2015 Yasar Mumtaz on *Ontology-based Collaborative Visual Query Formulation*
Master Thesis, *University of Oslo*

Publications

Journal Articles

- [1] 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.
- [2] 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* (in press) (2016).
- [3] 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* (accepted) (2016).
- [4] 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.
- [5] Guillermo Vega-Gorgojo, Laure Slaughter, Martin Giese, Simen Heggstøyl, Ahmet Soylu, and Arild Waaler. “Visual query interfaces for semantic datasets: an evaluation study”. In: *Web Semantics: Science, Services and Agents on the World Wide Web* 39 (2016), pp. 81–96. DOI: 10.1016/j.websem.2016.01.002.
- [6] 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.
- [7] 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.
- [8] 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.

- [9] 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.
- [10] 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.
- [11] Ahmet Soylu, Patrick De Causmaecker, and Piet Desmet. “Context and Adaptivity in Pervasive Computing Environments: Links with Software Engineering and Ontological Engineering”. In: *Journal of Software* 4.9 (2009), pp. 992–1013. DOI: 10.4304/jsw.4.9.992-1013.

Books, Book Chapters and Booklets

- [12] 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.
- [13] Anna Danielewska-Tulecka and Ahmet Soylu. *Blogs and Feedback*. Poland, 2009. URL: <http://www.icamp.eu/wp-content/uploads/2009/01/icamp-handbook-web.pdf>.
- [14] Fridolin Wild, Steinn E. Sigurðarson, Stefan Sobernig, Ahmet Soylu, Vahur Rebas, Dariusz Gorka, Anna Danielewska-Tulecka, and Antonio Tapiador. *An Interoperability Infrastructure for Distributed Feed Networks*. facultas.wuv. Vienna, Austria, 2007.

Conference and Workshop Papers

- [15] Evgeny Kharlamov, Sebastian Brandt, Martin Giese, Ernesto Jimenez-Ruiz, Yannis Kotidis, Steffen Lamparter, Theofilos Mailis, Christian Neuenstadt, Ozgur L. Ozcep, Christoph Pinkel, Ahmet Soylu, Christoforos Svingos, Dmitriy Zheleznyakov, Ian Horrocks, Yannis E. Ioannidis, Ralf Moller, and Arild Waaler. “Enabling semantic access to static and streaming distributed data with optique: demo”. In: *Proceedings of the 10th ACM International Conference on Distributed and Event-based Systems (DEBS 2016)*. Irvine, USA: ACM, 2016, pp. 350–353. DOI: 10.1145/2933267.2933290.
- [16] Evgeny Kharlamov, Sebastian Brandt, Martin Giese, Ernesto Jimenez-Ruiz, Yannis Kotidis, Steffen Lamparter, Theofilos Mailis, Christian Neuenstadt, Ozgur L. Ozcep, Christoph Pinkel, Ahmet Soylu, Christoforos Svingos, Dmitriy Zheleznyakov, Ian Horrocks, Yannis E. Ioannidis, Ralf Moller, and Arild Waaler. “Scalable Semantic Access to Siemens Static and Streaming Distributed Data”. In: *Proceedings of ISWC 2016 Posters & Demos*. Vol. 1690. CEUR Workshop Proceedings. Kobe, Japan: CEUR-WS.org, 2016. URL: <http://ceur-ws.org/Vol1-1690/paper16.pdf>.
- [17] Evgeny Kharlamov, Theofilos Mailis, Konstantina Mpereta, Dimitris Bilidas, Sebastian Brandt, Ernesto Jimenez-Ruiz, Steffen Lamparter, Christian Neuenstadt, Ozgur Ozcep, Ahmet Soylu, Christoforos Svingos, Guohui Xiao, Dmitriy Zheleznyakov, Diego Calvanese, Ian Horrocks, Martin Giese, Yannis Ioannidis, Yannis Kotidis, Ralf Moller, and Arild Waaler. “A Semantic Approach to Polystores”. In: *Proceedings of the Methods to Manage Heterogeneous Big Data and Polystore Databases*. Washington, USA, 2016, (accepted).
- [18] Ahmet Soylu, Martin Giese, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, Rudolf Schlatte, Christian Neuenstadt, Ozgur Ozcep, Hallstein Lie, Vidar Klungre, Sebastian Brandt, and Ian Horrocks. “Ontology-based Visual Querying with OptiqueVQS: Statoil and Siemens Cases”. In: *Proceedings of the Norwegian Big Data Symposium (NOBIDS 2016)*. Trondheim, Norway, 2016, (accepted).

- [19] Ahmet Soylu, Martin Giese, Rudolf Schlatte, Ernesto Jimenez-Ruiz, Ozgur L. Ozcep, and Sebastian Brandt. "A Visual Query System for Stream Data Access over Ontologies". In: *Proceedings of the ESWC 2016 Satellite Events*. Vol. 9989. LNCS. Crete, Greece: Springer, 2016, pp. 161–166. DOI: 10.1007/978-3-319-47602-5_32.
- [20] Ahmet Soylu, Martin Giese, Rudolf Schlatte, Ernesto Jimenez-Ruiz, Ozgur Ozcep, and Sebastian Brandt. "Domain Experts Surfing on Stream Sensor Data over Ontologies". In: *Proceedings of the 1st Workshop on Semantic Web Technologies for Mobile and Pervasive Environments (SEMPER@ESWC 2016)*. Vol. 1588. CEUR Workshop Proceedings. Crete, Greece: CEUR-WS.org, 2016. URL: <http://ceur-ws.org/Vol-1588/paper4.pdf>.
- [21] Evgeny Kharlamov, Sebastian Brandt, Martin Giese, Ernesto Jimenez-Ruiz, Steffen Lamparter, Christian Neuenstadt, Ozgur Ozcep, Christoph Pinkel, Ahmet Soylu, Dmitriy Zheleznyakov, Mikhail Roshchin, Stuart Watson, and Ian Horrocks. "Semantic Access to Siemens Streaming Data: the Optique Way". In: *Proceedings of the ISWC 2015 Posters & Demonstrations*. Vol. 1486. CEUR Workshop Proceedings. Bethlehem, Pennsylvania, USA: CEUR-WS.org, 2015. URL: http://ceur-ws.org/Vol-1486/paper_23.pdf.
- [22] Evgeny Kharlamov, Ernesto Jimenez-Ruiz, Christoph Pinkel, Martin Rezk, Martin G. Skjæveland, Ahmet Soylu, Guohui Xiao, Dmitriy Zheleznyakov, Martin Giese, Ian Horrocks, and Arild Waaler. "Optique: Ontology-Based Data Access Platform". In: *Proceedings of the ISWC 2015 Posters & Demonstrations*. Vol. 1486. CEUR Workshop Proceedings. Bethlehem, Pennsylvania, USA: CEUR-WS.org, 2015. URL: http://ceur-ws.org/Vol-1486/paper_24.pdf.
- [23] Ahmet Soylu and Martin Giese. "Qualifying Ontology-based Visual Query Formulation". In: *Proceedings of the Flexible Query Answering Systems (FQAS 2015)*. Vol. 400. Advances in Intelligent Systems and Computing. Cracow, Poland: Springer, 2015, pp. 243–255. DOI: 10.1007/978-3-319-26154-6_19.
- [24] Ahmet Soylu, Evgeny Kharlamov, Dmitriy Zheleznyakov, Ernesto Jimenez-Ruiz, Martin Giese, and Ian Horrocks. "Ontology-based Visual Query Formulation: An Industry Experience". In: *Proceedings of the 11th International Symposium on Visual Computing (ISVC 2015)*. Vol. 9474. LNCS. Las Vegas, Nevada, USA: Springer, 2015, pp. 842–854. DOI: 10.1007/978-3-319-27857-5_75.
- [25] Ahmet Soylu, Evgeny Kharlamov, Dmitriy Zheleznyakov, Ernesto Jimenez-Ruiz, Martin Giese, and Ian Horrocks. "OptiqueVQS: Ontology-based Visual Querying". In: *Proceedings of the Visualizations and User Interfaces for Ontologies and Linked Data (VOILA 2015)*. Vol. 1456. CEUR Workshop Proceedings. Bethlehem, Pennsylvania, USA: CEUR-WS.org, 2015. URL: <http://ceur-ws.org/Vol-1456/paper10.pdf>.
- [26] Evgeny Kharlamov, Nina Solomakhina, Ozgur Ozcep, Dmitriy Zheleznyakov, Thomas Hubauer, Steffen Lamparter, Mikhail Roshchin, Ahmet Soylu, and Stuart Watson. "How Semantic Technologies can Enhance Data Access at Siemens Energy". In: *Proceedings of the 13th International Semantic Web Conference (ISWC 2014)*. Vol. 8796. LNCS. Springer, 2014. DOI: 10.1007/978-3-319-11964-9_38.
- [27] Torgeir Lebesbye and Ahmet Soylu. "Towards a Visual Annotation Tool for End-User Semantic Content Authoring". In: *Proceedings of the International Workshop on Visualizations and User Interfaces for Knowledge Engineering and Linked Data Analytics (VISUAL2014)*. Vol. 1299. CEUR Workshop Proceedings. Linköping, Sweden: CEUR-WS.org, 2014. URL: <http://ceur-ws.org/Vol-1299/paper6.pdf>.
- [28] Ahmet Soylu, Martin Giese, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, Dmitriy Zheleznyakov, and Ian Horrocks. "Towards Exploiting Query History for Adaptive Ontology-based Visual Query Formulation". In: *Proceedings of the 8th International Conference on Metadata and Semantic Research (MTSR 2014)*. Vol. 478. CCIS. Karlsruhe, Germany: Springer, 2014, pp. 107–119. DOI: 10.1007/978-3-319-13674-5_11.

- [29] Ahmet Soylu, Martin Giese, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, Dmitriy Zheleznyakov, and Ian Horrocks. "Why not simply Google?" In: *Proceedings of the 8th Nordic Conference on Human-Computer Interaction (NordiCHI 2014)*. Helsinki, Finland: ACM, 2014, pp. 1039–1042. DOI: 10.1145/2639189.2670270.
- [30] Ahmet Soylu, Evgeny Kharlamov, Dmitriy Zheleznyakov, Ernesto Jimenez-Ruiz, Martin Giese, and Ian Horrocks. "OptiqueVQS: Visual Query Formulation for OBDA". In: *Proceedings of the 27th International Workshop on Description Logics (DL 2014)*. Vol. 1193. CEUR Workshop Proceedings. Vienna, Austria: CEUR-WS.org, 2014. URL: http://ceur-ws.org/Vol-1193/paper_88.pdf.
- [31] Diego Calvanese, Martin Giese, Peter Haase, Ian Horrocks, Thomas Hubauer, Yannis Ioannidis, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, Herald Kllapi, Johan Klüwer, Manolis Koubarakis, Steffen Lamparter, Ralf Möller, Christian Neuenstadt, Toralv Nordtveit, Özgür Özcep, Mariano Rodriguez-Muro, Mikhail Roshchin, Fabio Savo, Michael Schmidt, Ahmet Soylu, Arild Waaler, and Dmitriy Zheleznyakov. "Optique: OBDA Solution for Big Data". In: *Proceedings of the ESWC 2013 Satellite Events*. Vol. 7955. LNCS. Montpellier, France: Springer, 2013, pp. 293–295. DOI: 10.1007/978-3-642-41242-4_48.
- [32] Diego Calvanese, Martin Giese, Peter Haase, Ian Horrocks, Thomas Hubauer, Yannis Ioannidis, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, Herald Kllapi, Manolis Koubarakis, Steffen Lamparter, Ralf Möller, Christian Neuenstadt, Özgür Özcep, Mariano Rodriguez-Muro, Mikhail Roshchin, Marco Ruzzi, Fabio Savo, Michael Schmidt, Ahmet Soylu, Arild Waaler, and Dmitriy Zheleznyakov. "The Optique Project: Towards OBDA Systems for Industry". In: *Proceedings of the 10th OWL: Experiences and Directions Workshop (OWLED 2013)*. Vol. 1080. CEUR Workshop Proceedings. Montpellier, France: CEUR-WS.org, 2013. URL: http://ceur-ws.org/Vol-1080/owlled2013_20.pdf.
- [33] Bernardo Cuenca Grau, Martin Giese, Ian Horrocks, Thomas Hubauer, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, Michael Schmidt, Ahmet Soylu, and Dmitriy Zheleznyakov. "Towards Query Formulation and Query-Driven Ontology Extensions in OBDA Systems". In: *Proceedings of the 10th OWL: Experiences and Directions Workshop (OWLED 2013)*. Vol. 1080. CEUR Workshop Proceedings. Montpellier, France: CEUR-WS.org, 2013. URL: http://ceur-ws.org/Vol-1080/owlled2013_19.pdf.
- [34] Peter Haase, Ian Horrocks, Dag Hovland, Thomas Hubauer, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, Johan Klüwer, Christoph Pinkel, Riccardo Rosati, Valerio Santarelli, Ahmet Soylu, and Dmitriy Zheleznyakov. "Optique System: Towards ontology and mapping management in OBDA solutions". In: *Proceedings of the 2nd International Workshop on Debugging Ontologies and Ontology Mappings (WoDOOM 2013)*. Vol. 999. CEUR Workshop Proceedings. Montpellier, France: CEUR-WS.org, 2013. URL: <http://ceur-ws.org/Vol-999/paper2.pdf>.
- [35] Evgeny Kharlamov, Martin Giese, Ernesto Jimenez-Ruiz, Martin G. Skjæveland, Ahmet Soylu, Dmitriy Zheleznyakov, Timea Bagosi, Marco Console, Peter Haase, Ian Horrocks, Sarunas Marciuska, Christoph Pinkel, Mariano Rodriguez-Muro, Marco Ruzzi, Valerio Santarelli, Domenico Fabio Savo, Kunal Sengupta, Michael Schmidt, Evgenij Thorstensen, Johannes Trame, and Arild Waaler. "Optique 1.0: Semantic Access to Big Data: The Case of Norwegian Petroleum Directorate's FactPages". In: *Proceedings of the ISWC 2013 Posters & Demonstrations*. Vol. 1035. CEUR Workshop Proceedings. Sydney, Australia: CEUR-WS.org, 2013. URL: http://ceur-ws.org/Vol-1035/iswc2013_demo_17.pdf.
- [36] Evgeny Kharlamov, Ernesto Jimenez-Ruiz, Dmitriy Zheleznyakov, Dimitris Bilidas, Martin Giese, Peter Haase, Ian Horrocks, Herald Kllapi, Manolis Koubarakis, Özgür Özcep, Mariano Rodriguez-Muro, Riccardo Rosati, Michael Schmidt, Rudolf Schlatte, Ahmet Soylu, and Arild Waaler. "Optique: Towards OBDA Systems for Industry". In: *Proceedings of the ESWC 2013 Satellite Events*. Vol. 7955. LNCS. Springer, 2013, pp. 125–140. DOI: 10.1007/978-3-642-41242-4_11.
- [37] Ahmet Soylu, Martin Giese, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, Dmitriy Zheleznyakov, and Ian Horrocks. "OptiqueVQS – Towards an Ontology-based Visual Query System for Big Data". In: *Proceedings of the International Conference on Management of Emergent Digital EcoSystems (MEDES 2013)*. Luxembourg: ACM, 2013, pp. 119–126. DOI: 10.1145/2536146.2536149.

- [38] Ahmet Soyly, Martin G. Skjæveland, Martin Giese, Ian Horrocks, Ernesto Jimenez-Ruiz, Evgeny Kharlamov, and Dmitriy Zheleznyakov. "A Preliminary Approach on Ontology-based Visual Query Formulation for Big Data". In: *Proceedings of the 7th International Conference on Metadata and Semantic Research (MTSR 2013)*. CCIS. Thessaloniki, Greece: Springer, 2013, pp. 201–212. DOI: 10.1007/978-3-319-03437-9_21.
- [39] Felix Mödritscher, Wolfgang Taferner, Ahmet Soyly, and Patrick De Causmaecker. "Visualization of networked collaboration in digital ecosystems through two-mode network patterns". In: *Proceedings of the International Conference on Management of Emergent Digital EcoSystems (MEDES 2011)*. San Francisco, California: ACM, 2011, pp. 158–162. DOI: 10.1145/2077489.2077519.
- [40] Ahmet Soyly, Mieke Vandewaetere, Kelly Wauters, Igor Jacques, Patrick De Causmaecker, Piet Desmet, Geraldine Clarebout, and Wim Van den Noortgate. "Ontology-Driven Adaptive and Pervasive Learning Environments – APLEs: An Interdisciplinary Approach". In: *Proceedings of the 1st International Conference on Interdisciplinary Research on Technology, Education and Communication (ITEC 2010)*. Vol. 126. CCIS. Kortrijk, Belgium: Springer, 2011, pp. 99–115. DOI: 10.1007/978-3-642-20074-8_9.
- [41] Ahmet Soyly, Fridolin Wild, Felix Mödritscher, Piet Desmet, Serge Verlinde, and Patrick De Causmaecker. "Mashups and widget orchestration". In: *Proceedings of the International Conference on Management of Emergent Digital EcoSystems (MEDES 2011)*. San Francisco, California: ACM, 2011, pp. 226–234. DOI: 10.1145/2077489.2077532.
- [42] Ahmet Soyly, Felix Mödritscher, and Patrick De Causmaecker. "Multi-facade and Ubiquitous Web Navigation and Access through Embedded Semantics". In: *Proceedings of the 2nd International Conference on Future Generation Information Technology (FGIT 2010)*. Vol. 6485. LNCS. Jeju Island, Korea: Springer, 2010, pp. 272–289. DOI: 10.1007/978-3-642-17569-5_27.
- [43] Ahmet Soyly, Felix Mödritscher, and Patrick De Causmaecker. "Utilizing Embedded Semantics for User-Driven Design of Pervasive Environments". In: *Proceedings of the 4th International Conference on Metadata and Semantic Research (MTSR 2010)*. Vol. 108. CCIS. Alcalá de Henares, Spain: Springer, 2010, pp. 63–77. DOI: 10.1007/978-3-642-16552-8_7.
- [44] Ahmet Soyly, Fridolin Wild, Felix Mödritscher, and Patrick De Causmaecker. "Semantic Mash-Up Personal and Pervasive Learning Environments (SMupple)". In: *Proceedings of the 6th Symposium of the Workgroup Human-Computer Interaction and Usability Engineering (USAB 2010)*. Vol. 6389. LNCS. Klagenfurt, Austria: Springer, 2010, pp. 501–504. DOI: 10.1007/978-3-642-16607-5_37.
- [45] Ahmet Soyly, Fridolin Wild, Felix Mödritscher, and Patrick De Causmaecker. "Towards Developing a Semantic Mashup Personal and Pervasive Learning Environment: SMupple". In: *Proceedings of the 3rd Workshop on Mashup Personal Learning Environments (MUPPLE 2010)*. Vol. 638. CEUR Workshop Proceedings. Barcelona, Spain: CEUR-WS.org, 2010. URL: http://ceur-ws.org/Vol-638/soyly_mupple10.pdf.
- [46] Ahmet Soyly and Patrick De Causmaecker. "Embedded Semantics Empowering Context-Aware Pervasive Computing Environments". In: *Proceedings of the Symposia and Workshops on Ubiquitous, Autonomic and Trusted Computing (UIC-ATC 2009)*. Brisbane, Australia: IEEE Computer Society, 2009, pp. 310–317. DOI: 10.1109/UIC-ATC.2009.12.
- [47] Ahmet Soyly and Patrick De Causmaecker. "Merging model driven and ontology driven system development approaches pervasive computing perspective". In: *Proceedings of the 24th International Symposium on Computer and Information Sciences (ISCIS 2009)*. Guzelyurt, Cyprus: IEEE, 2009, pp. 730–735. DOI: 10.1109/ISCIS.2009.5291915.
- [48] Ahmet Soyly, Patrick De Causmaecker, and Piet Desmet. "Context and Adaptivity in Context-Aware Pervasive Computing Environments". In: *Proceedings of the Symposia and Workshops on Ubiquitous, Autonomic and Trusted Computing (UIC-ATC 2009)*. Brisbane, Australia: IEEE Computer Society, 2009, pp. 94–101. DOI: 10.1109/UIC-ATC.2009.11.

- [49] Ahmet Soylu, Selahattin Kuru, Fridolin Wild, and Felix Mödritscher. "E-Learning and Microformats: A Learning Object Harvesting Model and a Sample Application". In: *Proceedings of the 1st International Workshop on Mashup Personal Learning Environments (MUPPLE 2008)*. Vol. 388. CEUR Workshop Proceedings. Maastricht, The Netherlands: CEUR-WS.org, 2008. URL: <http://ceur-ws.org/Vol-388/soylu.pdf>.
- [50] Selahattin Kuru, Maria Nawojczyk, Katrin Niglas, Egle Butkeviciė, and Ahmet Soylu. "Facilitating Cross-border Self-directed Collaborative Learning: The iCamp Case". In: *Proceedings of the European Distance and E-Learning Network (EDEN 2007)*. Naples, Italy, 2007.
- [51] Ahmet Soylu, Orhan Karahasan, and Selahattin Kuru. "Çok Uluslu, İş Birlikçi, Sosyal E-Öğrenme: iCamp Örneği". In: *Proceedings of Akademik Bilişim (AB 2007)*. Kutahya, Turkey, 2007.
- [52] Fridolin Wild, Steinn E. Sigurðarson, Stefan Sobernig, Christina Stahl, Ahmet Soylu, Vahur Rebas, Dariusz Gorka, Anna Danielewska-Tulecka, and Antonio Tapiador. "An Interoperability Infrastructure for Distributed Feed Networks". In: *Proceedings of the 1st International Workshop on Collaborative Open Environments for Project-Centered Learning (COOPER 2007)*. Vol. 309. CEUR Workshop Proceedings. Crete, Greece: CEUR-WS.org, 2007. URL: <http://ceur-ws.org/Vol-309/paper01.pdf>.

Technical Reports

- [53] Anette Kolmos, Selahattin Kuru, Hans Hansen, Taner Eskil, Luca Podesta, Flemming Fink, Erik De Graaff, Jan U. Wolf, and Ahmet Soylu. *Problem Based Learning*. Tech. rep. TREE-Teaching and Research in Engineering in Europe, 2007. URL: <http://www.unifi.it/tree/dl/oc/b5.pdf>.

Professional Activities

Reviewer (*Project*)

National Science Centre, Poland

Reviewer (*Journal*)

[1] Journal of Internet Services and Applications (JISA); [2] Web Semantics: Science, Services and Agents on the World Wide Web (JWS); [3] Journal of Experimental and Theoretical Artificial Intelligence (JETAI); [4] Journal of Ambient Intelligence and Smart Environments (JAISE); [5] International Journal of Big Data Intelligence (IJBDI); [6] Integrated Computer-Aided Engineering (ICAE); [7] Ecological Informatics; [8] SENSORS; [9] Computational and Mathematical Methods in Medicine; [10] JZUS-C; [11] Biomedical Engineering Research (BER); [12] International Journal of Metadata, Ontologies and Semantics (IJMSO); [13] International Journal of Technology Enhanced Learning (IJTEL); [14] Journal of Mobile Multimedia (JMM).

Reviewer/PC member (*Conference*)

[1] Semantic Web Technologies in Mobile and Pervasive Environments (SEMPER@ESWC 2016); [2] International Web Rule Symposium (RuleML 2015); [3] International Web Rule Symposium Challenge (RuleML 2015 Challenge); [4] The 8th Nordic Conference on Human-Computer Interaction (NordiCHI 2014); [5] International Web Rule Symposium (RuleML 2014); [6] International Web Rule Symposium Challenge (RuleML 2014 Challenge); [7] The 8th International Conference on Advances in Semantic Processing (SEMAPRO 2014); [8] International Web Rule Symposium Challenge (RuleML 2013 Challenge); [9] The 18th International Conference on Software, Telecommunications and Computer Networks (SoftCom 2010); [10] Interdisciplinary Research on Technology, Education and Communication (ITEC 2010); [11] The 6th International Conference on Ubiquitous Intelligence and Computing (UIC 2009).

Honors, Awards, & Fellowships

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|-----------|--|
| 2012–2015 | Postdoctoral Research Fellowship from <i>University of Oslo</i> |
| 2008–2012 | Ph.D. Fellowship from <i>University of Leuven</i>
IOF Industrieel Onderzoeksfonds (Industrial Research Fund) |
| 2008 | Graduation with distinction from <i>Isik University</i> (M.Sc.) |
| 2006–2008 | High honour from <i>Isik University</i> (M.Sc.) |
| 2006–2008 | M.Sc. Fellowship from <i>Turkish Scientific and Technological Research Council (TUBITAK)</i> |
| 2006–2008 | M.Sc. Fellowship from <i>Isik University</i> |
| 2006 | Graduation with distinction from <i>Isik University</i> (B.Sc.) |
| 2002–2006 | High Honour from <i>Isik University</i> (B.Sc.) |
| 2002–2006 | High Achievement Scholarship from <i>Isik University</i> (B.Sc.) |

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