

An alignment-based implementation of a holistic ontology integration method

Osman, Ines; **Pileggi, Salvatore Flavio**; **Ben Yahia, Sadok**; Diallo, Gayo MethodsX 2021 / art. 101460, p. 1–29

<https://doi.org/10.1016/j.mex.2021.101460> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Applying user profile ontology for mining web site adaption recommendations

Robal, Tarmo; **Kalja, Ahto** Local Proceedings of the 11th East-European Conference on Advances in Databases and Information Systems (ADBIS 2007) 2007 / p. 126-135

https://www.researchgate.net/publication/221651686_Applying_User_Profile_Ontology_for_Mining_Web_Site_Adaptation_Recommendations

A comparative study of approaches of ontology driven software development

Haav, Hele-Mai Informatica 2018 / p. 439–466 : ill <https://doi.org/10.15388/Informatica.2018.175> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Composition of services on hierarchical service models

Maigre, Riina; **Tõugu, Enn** Proceedings of the 21th [i. e. 21st] European-Japanese Conference on Information Modelling and Knowledge Bases : EJC2011 : Tallinn, Estonia, June 06-10, 2011. Vol. 1 2011 / p. 164-183 : ill

<https://ccdcoe.org/library/publications/composition-of-services-on-hierarchical-service-models/>

Composition of services on hierarchical service models

Maigre, Riina; **Tõugu, Enn** Information modelling and knowledge bases XXIII 2012 / p. 110-129 : ill

<https://ccdcoe.org/library/publications/composition-of-services-on-hierarchical-service-models/>

Conceptual web users' actions prediction for ontology-based browsing recommendations

Robal, Tarmo; **Kalja, Ahto** Information systems development : towards a service provision society 2009 / p. 121-129

https://link.springer.com/chapter/10.1007/b137171_13

Design of educational thesauri in electronics

Raud, Zoja; **Vodovozov, Valery** Proceedings of the IRES International Conference : 28th-29th December 2016, Florence, Italy 2016 / p. 1-5 : ill

Development of a built environment ontology lookup service (BE-OLS) with a new ontology evaluation

Akbarieh, Arghavan; **Osadcha, Iryna**; Farghaly, Karim; Bosche, Frederic; **Puust, Raido** Proceedings of the 2025 European Conference on Computing in Construction 2025 / p. 630-637 <http://doi.org/10.35490/EC3.2025.353>

Enhancing semantics-driven recommender systems with visual features

Bendouch, Mounir M.; Frasinicar, Flavius; **Robal, Tarmo** Advanced Information Systems Engineering34th International Conference, CAISE 2022, Leuven, Belgium, June 6-10, 2022, Proceedings 2022 / p. 443–459 https://doi.org/10.1007/978-3-031-07472-1_26

[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Event detection based on open information extraction and ontology

Sahnoun, Sihem; Elloumi, Samir; **Ben Yahia, Sadok** Journal of Information and Telecommunication 2020 / p. 383-403

<https://doi.org/10.1080/24751839.2020.1763007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Event detection based on open information extraction and ontology

Sahnoun, Sihem; Elloumi, Samir; **Ben Yahia, Sadok** Computational Collective Intelligence : 11th International Conference, ICCCI

2019, Hendaye, France, September 4–6, 2019 : proceedings, part I 2019 / p. 244-255 : ill https://doi.org/10.1007/978-3-030-28377-3_20

[Conference proceeding at Scopus](#) [Article at Scopus](#) [Conference proceeding at WOS](#) [Article at WOS](#)

Extracting ontologies for the semantic web from HTML forms

Astrova, Irina; Stantic, B. Proceedings of the Workshop on Enterprise Modelling and Ontology : Ingredients for Interoperability : 5th International Conference on Practical Aspects of Knowledge Management (PAKM) 2004 / p. 60-67

https://www.researchgate.net/publication/220538128_Ontology_Development_for_the_Semantic_Web_an_HTML_Form-Based_Reverse_Engineering_Approach

Extracting ontologies from relational databases

Astrova, Irina Proceedings of the 22nd IASTED International Conference on Databases and Applications (DBA) 2004 / p. 56-61

<https://spiral.imperial.ac.uk/bitstream/10044/1/52670/7/FAIA291-0043.pdf>

Formal-verification of smart-contract languages : a survey

Dwivedi, Vimal Kumar; **Deval, Vipin**; **Dixit, Abhishek**; **Norta, Alexander** Advances in Computing and Data Sciences : Third International Conference, ICACDS 2019 : Ghaziabad, India, April 12–13, 2019 : revised selected papers, part II 2019 / p. 738-747

https://doi.org/10.1007/978-981-13-9942-8_68 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Hele-Mai Haav: masinkoodist tehisintellektini

Haav, Hele-Mai Võrumaa Teataja 2024 / lk. 6 <https://dea.digar.ee/article/vorumaateataja/2024/11/07/10.2>

How the apriori algorithm can help to find semantic duplicates in ontology

Astrova, Irina; Koschel, Arne; Lee, Su Ling Knowledge-Based Software Engineering: 2020 : Proceedings of the 13th International Joint Conference on Knowledge-Based Software Engineering (JCKBSE 2020), Larnaca, Cyprus, August 24-26, 2020 2020 / p. 178-191 https://doi.org/10.1007/978-3-030-53949-8_16

Integrating Oracle enterprise service bus with JADE agents

Kimlaychuk, Vadim IEEE 6th International Conference on Computational Cybernetics : November 27-29, 2008 2008 / p. 59-61 <https://ieeexplore.ieee.org/document/4721379>

Managing software engineering competences with domain ontology for customer and team profiling and training

Robal, Tarmo; Ojastu, Deniss; Kalja, Ahto; Jaakkola, Hannu PICMET '15 : proceedings : Management of the Technology Age 2015 / p. 1369-1376 : ill <http://dx.doi.org/10.1109/PICMET.2015.7273171>

Managing software engineering competences with domain ontology for customer and team profiling and training

Robal, Tarmo; Ojastu, Deniss; Kalja, Ahto; Jaakkola, Hannu PICMET '15 Conference : Management of the Technology Age : August 2-6, 2015, Portland, Oregon, USA : conference bulletin 2015 / p. 62

Mapping of SQL relational schemata to OWL ontologies

Astrova, Irina; Kalja, Ahto Proceedings of the 6th WSEAS International Conference on Applied Informatics and Communications : Crete Island, Greece, August 18-20, 2006 2006 / p. 375-380 <https://dl.acm.org/doi/abs/10.5555/1366421.1366487>

A new approach of morphological analysis of arabic syntagmatic units based on a linguistic ontology

El Abdi, Mariem; Ali, Boutheina Smine Ben; **Ben Yahia, Sadok** Computational Collective Intelligence : 14th International Conference, ICCCI 2022, Hammamet, Tunisia, September 28–30, 2022, Proceedings 2022 / p. 364 - 377 https://doi.org/10.1007/978-3-031-16014-1_29 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

A novel approach to mapping SQL relational schemata to OWL ontologies

Astrova, Irina; Kalja, Ahto WSEAS transactions on information science and applications 2006 / 3, p. 2215-2222

An ontological approach to knowledge building by data integration

Pileggi, Salvatore Flavio; Crain, Hayden; **Ben Yahia, Sadok** Computational Science and Its Applications – ICCSA 2020 : 20th international conference, Amsterdam, The Netherlands, June 3–5, 2020, proceedings, part VII (2020) 2020 / p. 479 - 493 https://doi.org/10.1007/978-3-030-50436-6_35 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at Scopus](#)

Ontologies and other types of semanticware - assets to protect, or instruments to use Cyber Warfare?

Luts, Martin Conference on Cyber Warfare : June 17-19, 2009, Tallinn, Estonia 2009 / p. 50-51

Ontologies and semantic annotation of X-road services

Haav, Hele-Mai Estonian information society yearbook 2011/2012 2012 / p. 81-83

Ontology design for automatic evaluation of web user interface usability [Electronic resource]

Robal, Tarmo; Marenkov, Jevgeni; Kalja, Ahto PICMET '17 : Portland International Conference on Management of Engineering and Technology : Technology Management for the Interconnected World : proceedings 2017 / p. 1-8 : ill. [USB] <https://doi.org/10.23919/PICMET.2017.8125425>

An ontology engineering case study for advanced digital forensic analysis

Chikul, Pavel; Bahsi, Hayretudin; Maennel, Olaf Manuel Model and Data Engineering : 10th International Conference, MEDI 2021, Tallinn, Estonia, June 21–23, 2021 : proceedings 2021 / p. 67–74 https://doi.org/10.1007/978-3-030-78428-7_6 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Ontology integration : approaches and challenging issues

Osman, Ines; **Ben Yahia, Sadok;** Diallo, Gayo Information Fusion 2021 / p. 38-63 : ill <https://doi.org/10.1016/j.inffus.2021.01.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ontology merging using the weak unification of concepts

Kuusik, Norman; Vain, Jüri Big Data and Cognitive Computing 2024 / art. 98 <https://doi.org/10.3390/bdcc8090098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ontology-based customization of a scheduling system for discrete manufacturing

Sanko, Jelena; Haav, Hele-Mai; Kotkas, Vahur Databases and information systems IX : selected papers from the twelfth International Baltic Conference, DB&IS 2016 2016 / p. 57-70 : ill <https://doi.org/10.3233/978-1-61499-714-6-57> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ontology-based query translation for legislative information retrieval

Taveter, Kuldar; Lehtola, Aarno; Jaaranen, Kristiina; Sorva, Juha; Bounsaythip, Catherine Proceedings of the 5th ERCIM Workshop

on User Interfaces for All : November 8-December 1, 1999, Dagstuhl, Germany 1999 / p. 59-75 : ill <http://ui4all.ics.forth.gr/UI4ALL-99/Taveter.pdf>

Ontology-driven scheduling system for manufacturing

Sanko, Jelena; Kotkas, Vahur Baltic journal of modern computing 2016 / p. 508-522 : ill

Ontoloogiad ja X-tee teenuste semantiline kirjeldamine

Haav, Hele-Mai Eesti infoühiskonna aastaraamat 2011/2012 2012 / lk. 81-83

Personalized context-aware recommendations in SMARTMUSEUM : combining semantics with statistics

Liiv, Innar; Tammet, Tanel; Ruotsalo, Tuukka; **Kuusik, Alar** Proceedings of the Third International Conference on Advances in Semantic Processing (SEMAPRO 2009) : Sliema, Malta, October 2009 2009 / p. 50-55 <https://ieeexplore.ieee.org/document/5291537>

Reverse engineering of relational databases to ontologies

Astrova, Irina The Semantic Web : Research and Applications : First European Semantic Web Symposium, ESWS 2004 : Heraklion, Crete, Greece, May 10-12, 2004 : proceedings 2004 / p. [327]-341

Reverse engineering of relational databases to ontologies : an approach based on an analysis of HTML forms

Astrova, Irina; Stantic, Bela Proceedings of the Workshop W6 on Knowledge Discovery and Ontologies (KDO) [and] 15th European Conference on Machine Learning (ECML) [and] 8th European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD) : Pisa, Italy, 2004 2004 / p. 73-78 <https://www.semanticscholar.org/paper/Reverse-Engineering-of-Relational-Databases-to-An-Astrova-Stantic/a1efefc58b2144c29f772890224005d301113465>

Runtime generation of robot control code from ontology file

Gavšin, Juri; Šumik, Jevgeni Adaptive and Intelligent Systems : Second International Conference : ICAIS 2011 : Klagenfurt, Austria, September 6-8, 2011 : proceedings 2011 / p. 157-167 https://link.springer.com/chapter/10.1007/978-3-642-23857-4_18

A semantic method of automatic composition of E-government services

Maigre, Riina; Grigorenko, Pavel; Haav, Hele-Mai; Kalja, Ahto Databases and information systems VII : selected papers from the Tenth International Baltic Conference, DB&IS 2012 2013 / p. 204 - 217 <https://doi.org/10.3233/978-1-61499-161-8-204> [Article collection](#) [metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Semantilise koosvõime arhitektuur riigi infosüsteemis

Haav, Hele-Mai; Kalja, Ahto; Küngas, Peep; Luts, Martin A & A 2008 / lk. 32-42 : ill https://artiklid.elnet.ee/record=b1022736*est

Semi-automated generation of DSL meta models from formal domain ontologies

Ojamaa, Andres; Haav, Hele-Mai; Penjam, Jaan Model and Data Engineering : 5th International Conference, MEDI 2015, Rhodes, Greece, September 26-28, 2015, Proceedings 2015 / p. 3-15 https://doi.org/10.1007/978-3-319-23781-7_1 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Storing OWL ontologies in SQL relational databases

Astrova, Irina; Korda, Nahum; Kalja, Ahto International journal of electrical, computer, and systems engineering 2007 / 4, p. 242-247 <https://zenodo.org/records/1071690>

Storing OWL ontologies in SQL relational databases

Astrova, Irina; Korda, Nahum; Kalja, Ahto Proceedings of World Academy of Science, Engineering and Technology (WASET) : International Conference on Computer, Electrical, and Systems Science, and Engineering (CESSE) : Berlin, Germany, 2007 2007 / p. 169-172 https://www.researchgate.net/publication/242756222_Storing_OWL_ontologies_in_SQL_relational_databases

A systematic approach to define requirements and engineer the ontology for semantically merging data sets for personal-Centric healthcare systems

Kormiltsõn, Aleksandr CAiSE 2018 Doctoral Consortium 2018 / p. 91 - 99 <https://ceur-ws.org/Vol-2114/paper11.pdf> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Toward the Semantic Web - an approach to reverse engineering of relational databases to ontologies

Astrova, Irina Advances in Databases and Information Systems : proceedings of the 9th East-European Conference, ADBIS 2005 : Tallinn, September 12-15, 2005 2005 / p. 111-122 : ill

Uncertainty in automated ontology matching: lessons from an empirical evaluation

Osman, Inès; Pileggi, Salvatore Flavio; Ben Yahia, Sadok Applied Sciences (Switzerland) 2024 / art. 4679, 19 p. : ill <https://doi.org/10.3390/app14114679> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Using market basket analysis to find semantic duplicates in ontology

Astrova, Irina; Koschel, Arne; Lee, Su Ling Computational Science and Its Applications – ICCSA 2020 : 20th International Conference, Cagliari, Italy, July 1–4, 2020 : Proceedings, Part IV 2020 / p. 197-211 https://doi.org/10.1007/978-3-030-58811-3_14 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

A visual-semantic approach for building content-based recommender systems

Bendouch, Mounir M.; Frasincar, Flavius; **Robal, Tarmo** Information systems 2023 / art. 102243, 12 p. : ill

<https://doi.org/10.1016/j.is.2023.102243> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Vocabularies, ontologies, and rules for enterprise and business process modeling and management

Gašević, Dragan; Guizzardi, Giancarlo; **Taveter, Kuldar**; Wagner, Gerd Information systems 2010 / 4, p. 375-378

<https://www.sciencedirect.com/science/article/pii/S0306437910000037>