

Addressing scalability issues in semantics-driven recommender systems

Bendouch, Mounir M.; Frasinicar, Flavius; **Robal, Tarmo** WI-IAT '21: IEEE/WIC/ACM International Conference on Web Intelligence 2021 / p. 56-63 <https://doi.org/10.1145/3486622.3493963> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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 domain model to improve Web recommendations

Robal, Tarmo; **Kalja, Ahto** Databases and information systems VII : selected papers from the tenth International Baltic Conference, DB&IS 2012 2013 / p. 118-131 <https://doi.org/10.3233/978-1-61499-161-8-118> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Artificial intelligence based data curation: enabling a patient-centric European health data space

de Zegher, Isabelle; **Norak, Kerli**; Steiger, Dominik; Müller, Heimo; Kalra, Dipak; Scheenstra, Bart; Cina, Isabella; Shulz, Stefan; Uma, Kanimozhi; Kalendralis, Petros; Lotmam, Eno-Martin; Benedikt, Martin; Dumontier, Michel; Celebi, Remzi Frontiers in Medicine 2024 / p. 1365501 <https://doi.org/10.3389/fmed.2024.1365501> [Journal metrics at scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Building an ontology for cyber defence exercises

Babayeva, Gulkhara; **Maennel, Kaie**; **Maennel, Olaf Manuel** IEEE European Symposium on Security and Privacy Workshops (EuroS&PW) 2022 / p. 423-432 <https://doi.org/10.1109/EuroSPW55150.2022.00050>

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](#)

Complementing ICT studies with learning objects on domain ontologies

Robal, Tarmo; **Kruus, Helena**; **Kalja, Ahto** Proceedings of the 24th International Conference on European Association for Education in Electrical and Information Engineering : 30-31 May 2013, Chania, Greece 2013 / p. 92-96 : ill

Domain ontology for expressing knowledge of variants of thermally modified wood products

Maigre, Riina; **Haav, Hele-Mai** Databases and Information Systems : 13th International Baltic Conference, DB&IS 2018, Trakai, Lithuania, July 1-4, 2018 : proceedings 2018 / p. 161-171 https://doi.org/10.1007/978-3-319-97571-9_14 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Dynamically integrating electronic - with personal health records for ad-hoc healthcare quality improvements

Kormiltsõn, Aleksandr; **Norta, Alexander** Digital Transformation and Global Society : Second International Conference, DTGS 2017, St. Petersburg, Russia, June 21-23, 2017 : revised selected papers 2017 / p. 385-399 : ill https://doi.org/10.1007/978-3-319-69784-0_33 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

A formal specification smart-contract language for legally binding decentralized autonomous organizations

Dwivedi, Vimal Kumar; **Norta, Alexander**; Wulf, Alexander; Leiding, Benjamin; Saxena, Sandeep; **Udokwu, Chibuzor** IEEE Access 2021 / p. 76069–76082 : ill <https://doi.org/10.1109/ACCESS.2021.3081926> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A knowledge map for ICT integration in the silver economy

Butt, Sidra Azmat; Elhadjamor, Emna A.; **Pappel, Ingrid**; **Öunapuu, Enn**; **Draheim, Dirk** Procedia computer science 2021 / p. 693–701 <https://doi.org/10.1016/j.procs.2021.01.220> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A legal-relationship establishment in smart contracts : ontological semantics for programming-language development

Dwivedi, Vimal Kumar; **Norta, Alexander** Advances in Computing and Data Sciences : 5th International Conference, ICACDS

2021, Nashik, India, April 23–24, 2021, Revised Selected Papers, Part I : proceedings 2021 / p. 660-676 https://doi.org/10.1007/978-3-030-81462-5_58 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

New polysemy structures in Wordnets induced by vertical polysemy

Lohk, Ahti; Orav, Heili; Vare, Kadri; Bond, Francis; **Vaik, Rasmus** Proceedings of the 10th Global WordNet Conference : GWC 2019, July 23–27, 2019, Wroclaw, Poland 2019 / p. 394-403 <https://clarin-pl.eu/dspace/handle/11321/718> "scopus"

On proving the concept of an ontology aided software refactoring tool

Pöld, Janari; Robal, Tarmo; Kalja, Ahto Databases and information systems VII : selected papers from the tenth International Baltic Conference, DB&IS 2012 2013 / p. 84-94 <https://doi.org/10.3233/978-1-61499-161-8-84> [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

An ontology engineering case study for advanced digital forensic analysis

Chikul, Pavel; Bahsi, Hayretin; 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-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 design of the learner's knowledge domain in electrical engineering

Raud, Zoja; Vodovozov, Valery Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2019 / p. 47-53 : ill <https://doi.org/10.2478/ecce-2019-0007>

Ontology-driven scheduling system for manufacturing

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

Semantic interoperability framework for Estonian public sector's e-services integration

Tomingas, Kalle; Luts, Martin ORES-2010 : Ontology Repositories and Editors for the Semantic Web : Proceedings of the 1st Workshop on Ontology Repositories and Editors for the Semantic Web : Hersonissos, Crete, Greece, May 31st, 2010 2010 / [5] p

A semantic model for product configuration in timber industry

Haav, Hele-Mai; Maigre, Riina Databases and information systems X : selected papers from the thirteenth International Baltic Conference, DB&IS 2018 2019 / p. 143-158 <https://doi.org/10.3233/978-1-61499-941-6-143> https://www.ester.ee/record=b5203991*est [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A 6D space framework for the description of distributed systems

Pettai, Elmo Estonian journal of engineering 2012 / p. 140-171 : ill

A Software Prototype for Multidimensional Design of Data Warehouses Using Ontologies

Zekri, Manel; **Ben Yahia, Sadok**; Hilali-Jaghdam, Ines Computational Collective Intelligence : 11th International Conference, ICCCI 2019, Hendaye, France, September 4–6, 2019 : proceedings, part II 2019 / p. 273-284 : ill https://doi.org/10.1007/978-3-030-28374-2_24 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Conference proceeding at WOS](#) [Article at WOS](#)

Specification of the data warehouse for the decision-making dimension of the bid process information system

Zekri, Manel; Zahaf, Sahbi; **Ben Yahia, Sadok** Procedia computer science 2019 / p. 756 - 763 <https://doi.org/10.1016/j.procs.2019.09.231> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

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](#)