

CURRICULUM VITAE

Personal details and the date of the CV

Tuominen, Jouni Antero

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Date of the CV: 9.11.2023



Degrees

- 31.8.2017, D.Sc. (Tech.), Media Technology, Aalto University, School of Science, Finland
Contact: Aalto University, P.O. Box 11000, FI-00076 AALTO, telephone +358 9 47001
- 24.6.2010, M.Sc., Computer Science, University of Helsinki, Finland

Language skills

- Finnish: native language
- English: good knowledge, University of Helsinki, 11.3.2004 (spoken), 8.9.2003 (written)
- Swedish: good knowledge, University of Helsinki, 26.5.2005 (spoken and written)
- German: A2, self-assessment

Current employment

- 1.8.2021–, University Researcher, University of Helsinki, Helsinki Institute for Social Sciences and Humanities (HSSH); Developing data infrastructures for digital humanities research
- 1.8.2023–, Visiting Researcher, Aalto University, School of Science, Department of Computer Science; Developing data infrastructures for semantic computing and digital humanities research
- Stage III on the academic research career model (Ministry of Education and Culture)

Previous work experience

- 1.1.2020–31.7.2021, Research Coordinator, University of Helsinki
- 1.10.2019–31.7.2023, Staff Scientist, Aalto University
- 1.4.2017–31.12.2019, Postdoctoral Researcher, University of Helsinki
- 1.10.2017–30.9.2019, Postdoctoral Researcher, Aalto University, part-time
- 1.1.2012–31.3.2017, Doctoral Candidate, Aalto University
- 1.7.2010–31.12.2011, Project Researcher, University of Helsinki
- 1.1.2007–30.6.2010, Research Assistant, University of Helsinki

Research funding and grants

- 2021–2025, PI of subproject in Academy of Finland project “Constellations of Correspondence: Relational Study of Large and Small Networks of Epistolary Exchange in the Grand Duchy of Finland (CoCo)”, 279 209 EUR
- 2021–2022, PI at University of Helsinki in EU Horizon 2020 Framework Programme project “ARIADNEplus”, participation in the preparation of the application (PI prof. Suzie Thomas 2019–2021)
- 2020–2023, PI at Aalto University in EU Horizon 2020 Framework Programme project “In/Tangible European Heritage – Visual Analysis, Curation and Communication (InTaVia)”, 235 630 EUR
- 2020–2022, PI of subproject in Academy of Finland DIGIHUM programme project “Semantic Parliament: Linked Open Data Service for Studying Political Culture (SEMPARL)”, 195 450 EUR
- 2019, Preparation of the EDUFI Fellowship application for a doctoral student, Finnish National Agency for Education, 18 000 EUR
- 2017–2021, Participation in the preparation of the Academy of Finland project application “The Finnish Archaeological Finds Recording Linked Open Database (SuALT)”, PI prof. Suzie Thomas
- 28.3.–8.4.2016, European Cooperation in Science and Technology (COST), short term scientific mission grant, University of Oxford, 2160 EUR
- 6.–17.10.2015, Helsinki Doctoral Programme in Computer Science, travel grant, K-CAP and ISWC conferences, 3580 EUR
- 2015, KAUTE Foundation, encouragement grant for doctoral thesis, 6000 EUR

- 1.3.–31.12.2015, Finnish Cultural Foundation, working grant in the working group “National Gazetteer of Historical Places”, PI prof. Eero Hyvönen, 14 000 EUR
- 10.–13.12.2014, Helsinki Doctoral Programme in Computer Science, travel grant, JURIX conference, 832 EUR
- 1.7.2013–30.6.2014, Finnish Cultural Foundation, working grant for doctoral thesis, 22 000 EUR

Research output

Total number of publications: 127, h-index 23

10 most cited publications (Google Scholar):

- Eero Hyvönen, Kim Viljanen, Jouni Tuominen, Katri Seppälä: Building a national semantic web ontology and ontology service infrastructure—the FinnONTO approach. *Proceedings of the European Semantic Web Conference ESWC 2008*, Springer, Tenerife, Spain, June, 2008. https://doi.org/10.1007/978-3-540-68234-9_10
- Eero Hyvönen, Jouni Tuominen, Miika Alonen, Eetu Mäkelä: Linked Data Finland: A 7-star Model and Platform for Publishing and Re-using Linked Datasets. *Proceedings of ESWC 2014 Demo and Poster Papers*, Springer-Verlag, Heraklion, Greece, May, 2014. https://doi.org/10.1007/978-3-319-11955-7_24
- Jouni Tuominen, Matias Frosterus, Kim Viljanen, Eero Hyvönen: ONKI SKOS Server for Publishing and Utilizing SKOS Vocabularies and Ontologies as Services. *European Semantic Web Conference (ESWC 2009)*, Springer-Verlag, Heraklion, Greece, June, 2009. https://doi.org/10.1007/978-3-642-02121-3_56
- Eero Hyvönen, Eetu Mäkelä, Tomi Kauppinen, Olli Alm, Jussi Kurki, Tuukka Ruotsalo, Katri Seppälä, Joeli Takala, Kimmo Puputti, Heini Kuittinen, Kim Viljanen, Jouni Tuominen, Tuomas Palonen, Matias Frosterus, Reetta Sinkkilä, Panu Paakkarinen, Joonas Laitio, Katariina Nyberg: CultureSampo – Finnish Culture on the Semantic Web 2.0. Thematic Perspectives for the End-user. *Proceedings, Museums and the Web 2009*, Indianapolis, USA, April, 2009. <https://seco.cs.aalto.fi/publications/2009/hyvonen-et-alcalsa-mw-2009.pdf>
- Eero Hyvönen, Eetu Mäkelä, Tomi Kauppinen, Olli Alm, Jussi Kurki, Tuukka Ruotsalo, Katri Seppälä, Joeli Takala, Kimmo Puputti, Heini Kuittinen, Kim Viljanen, Jouni Tuominen, Tuomas Palonen, Matias Frosterus, Reetta Sinkkilä, Panu Paakkarinen, Joonas Laitio, Katariina Nyberg: CultureSampo – A National Publication System of Cultural Heritage on the Semantic Web 2.0. *Proceedings of the 6th European Semantic Web Conference (ESWC2009)*, Springer-Verlag, Heraklion, Greece, May–June, 2009. https://doi.org/10.1007/978-3-642-02121-3_69
- Eero Hyvönen, Erkki Heino, Petri Leskinen, Esko Ikkala, Mikko Koho, Minna Tamper, Jouni Tuominen, Eetu Mäkelä: WarSampo Data Service and Semantic Portal for Publishing Linked Open Data about the Second World War History. *Extended Semantic Web Conference (ESWC 2016)*, Springer-Verlag, Heraklion, Greece, May, 2016. https://doi.org/10.1007/978-3-319-34129-3_46
- Eero Hyvönen, Petri Leskinen, Minna Tamper, Heikki Rantala, Esko Ikkala, Jouni Tuominen, Kirsi Keravuori: BiographySampo – publishing and enriching biographies on the semantic web for digital humanities research. *Extended Semantic Web Conference (ESWC 2019)*, Springer-Verlag, Portorož, Slovenia, June, 2019. https://doi.org/10.1007/978-3-030-21348-0_37
- Kim Viljanen, Jouni Tuominen, Eero Hyvönen: Ontology Libraries for Production Use: The Finnish Ontology Library Service ONKI. *European Semantic Web Conference (ESWC 2009)*, Springer-Verlag, Heraklion, Greece, June, 2009. https://doi.org/10.1007/978-3-642-02121-3_57
- Jouni Tuominen, Nina Laurenne, Eero Hyvönen: Biological Names and Taxonomies on the Semantic Web – Managing the Change in Scientific Conception. *Extended Semantic Web Conference (ESWC 2011)*, Springer-Verlag, Heraklion, Greece, June, 2011. https://doi.org/10.1007/978-3-642-21064-8_18
- Jouni Tuominen, Eero Hyvönen, Petri Leskinen: Bio CRM: A Data Model for Representing Biographical Data for Prosopographical Research. *Proceedings of the Second Conference on Biographical Data in a Digital World 2017 (BD2017)*, CEUR Workshop Proceedings, Linz, Austria, November, 2017 (published 2018). <https://ceur-ws.org/Vol-2119/paper10.pdf>

Software and infrastructures developed (selected):

- 2014–, LDF.fi – Data publication platform, <http://ldf.fi>. (With research group.)
- 2008–, National Ontology Service ONKI, <http://onki.fi>. (With research group.)

Full list of publications: <https://seco.cs.aalto.fi/u/jwtuomin/publication-list.pdf>

Research supervision and leadership excellence

- 2017–, Doctoral dissertation advisor, Aalto University, School of Science, Department of Computer Science, 3 graduated student, 6 students in progress
- 2015–, Master’s thesis supervisor, University of Helsinki, Faculty of Science, Department of Computer Science, 1 graduated student
- 2012–, Master's thesis advisor, Aalto University, School of Science, Department of Computer Science, 7 graduated students, 1 student in progress
- 2010–, Bachelor's thesis instructor, Aalto University, School of Science, Department of Computer Science, 3 graduated students
- 2023, Leadership (PI) at University of Helsinki in NOS-HS Workshop series “From Treasure Hunters to Citizen Scientists: metal-detecting and archaeological heritage in the Nordic region”
- 2021–2025, Leadership (PI) of subproject in Academy of Finland project “Constellations of Correspondence: Relational Study of Large and Small Networks of Epistolary Exchange in the Grand Duchy of Finland (CoCo)”
- 2021–2022, Leadership (PI) at University of Helsinki in EU Horizon 2020 Framework Programme project “ARIADNEplus”
- 2020–2023, Leadership (PI) at Aalto University in EU Horizon 2020 Framework Programme project “In/Tangible European Heritage – Visual Analysis, Curation and Communication (InTaVia)”, WP “System Architecture”
- 2020–2022, Leadership (PI) of subproject in Academy of Finland DIGIHUM programme project “Semantic Parliament: Linked Open Data Service for Studying Political Culture (SEMPARL)”
- 2019–2020, Supervision of EDUFI Fellowship (doctoral student)
- 2016–2018, Leadership in Tekes project “Semantic Web Publications – Texts as Data Services (Severi)”, WP “Norms in use in the construction industry”
- 2012–2014, Leadership in Tekes project “Linked Data Finland (LDF)”, WP “Finnish Law as a Linked Data Service”
- 2012, Leadership in Tekes project “Finnish National Ontologies on the Semantic Web (FinnONTO)”, WP “Ontology Services”

Teaching merits

- Basic studies of university pedagogy (25 ECTS credits) completed, University of Helsinki
 - 2022, course “UP3.2 Development of Teaching and Practical Training”, 5 credits
 - 2021, course “UP3.1 Academic Supervision and Supervisor practice”, 5 credits
 - 2020, course “UP 2.2 Assessment of Learning and Giving Feedback”, 5 credits
 - 2019, course “UP 2.1 Constructive Alignment in Course Design”, 5 credits
 - 2019, course “UP 1 Learning in Higher Education”, 5 credits
- Teacher, University of Helsinki, Faculty of Arts, Departments of Digital Humanities & Cultures
 - 2021, Introduction to Digital Humanities and Social Sciences, bachelor level, 5 credits
- Lecturer, The Finnish National Agency for Education EDUFI
 - 2019, 23rd EDUFI Winter School “Limits of Reality and Beyond”
- Lecturer, University of Helsinki, Faculty of Arts, Department of Digital Humanities
 - 2022–, Introduction to Digital Humanities and Social Sciences, bachelor level, 5 credits
 - 2022–, Data Clinic, master level, 5 credits
 - 2021–, Linked Data for Digital Humanities, master level, 5 credits
 - 2020–, Approaches to Linguistic Diversity and Digital Humanities, master level, 10 credits
 - 2018, Current Topics in Digital Humanities I, master level, 5 credits
- Lecturer, South-Eastern Finland University of Applied Sciences (Xamk)
 - 2017, Summer School of Digital Information
- General organizer, University of Helsinki, Faculty of Arts, Department of Digital Humanities
 - 2017–, Helsinki Digital Humanities Hackathon, master level, 5 credits
- Lecturer, Aalto University, School of Science, Department of Computer Science
 - 2016–2017, 2020–2021, Semantic Web, master level, 5 credits
- Course assistant, Aalto University, School of Science, Department of Computer Science
 - 2015, Semantic Web, master level, 5 credits

- Course assistant, Aalto University, School of Science, Department of Media Technology
 - 2012, Information Retrieval, master level, 4 credits
 - 2011, Web Services, master level, 4 credits
- Course assistant, Helsinki University of Technology, Department of Media Technology
 - 2008–2009, XML-based Description Languages, master level, 3 credits
- Course assistant, Helsinki University of Technology, Laboratory of Media Technology
 - 2007, XML-based Description Languages, master level, 3 credits
- 2015–2017, Authoring learning material for the Linked Data School online course, Aalto University

Awards and honours

- 2023, Best Paper Award, TEXT2KG workshop, ESWC Conference (ParliamentSampo speech data)
- 2022, Scientific Communication Award, Aalto SCI Awards, Aalto University (Sampo portals)
- 2021, Best Paper Candidate, ISWC Conference (Mapping Manuscript Migrations system)
- 2020, Best Poster Award Nominee, ESWC Conference (Semantic Finlex/LawSampo system)
- 2017, Doctoral dissertation: pass with distinction, Aalto University, School of Science
- 2017, Open Data Prize, LODLAM Technical Challenge (WarSampo system)
- 2016, Best Paper Award, WHiSe workshop, ESWC Conference (Linked Death/WarSampo system)
- 2015, Open Finland Challenge – Public Services & Active Citizens Track (Semantic Finlex)
- 2014, Apps4Finland – Open Science and Research challenge prize (LDF.fi service)
- 2014, Apps4Finland – Data Refinement challenge prize (LDF.fi service)
- 2012, Scholarship for completing the theoretical studies for the doctoral degree, Aalto University
- 2010, Master's thesis Award, The Finnish Society for Computer Science
- 2010, World Summit Award Mobile 2010 – m-Tourism & Culture (Smartmuseum application)
- 2010, Apps4Finland – Community Application Track, 1st prize, Finnish Society of Web Democracy (DataSuomi application)
- 2010, Acknowledgement for distinguished master's thesis, University of Helsinki, Faculty of Science

Other key academic merits

- 2023, 3rd International Conference on Natural Language Processing for Digital Humanities (NLP4DH), Member of the Programme Committee
- 2023, International Workshop on Semantic Web and Ontology Design for Cultural Heritage (SWODCH 2023), Member of the Programme Committee
- 2023, “DigiNUMA: Digital Solutions for European Numismatic Heritage” project, Member of Advisory Board
- 2023, 15th International Conference on Knowledge Engineering and Ontology Development (KEOD 2023), Member of the Programme Committee
- 2022, 2nd International Workshop on Natural Language Processing for Digital Humanities (NLP4DH), Member of the Programme Committee
- 2022–, Journal of the Association for Information Science and Technology, Wiley, Reviewer
- 2022, 14th International Conference on Knowledge Engineering and Ontology Development (KEOD 2022), Member of the Programme Committee
- 2022, Journal on Computing and Cultural Heritage, ACM, Reviewer
- 2022, International Workshop on Semantic Web and Ontology Design for Cultural Heritage (SWODCH 2022), Member of the Programme Committee
- 2022, Biographical Data in a Digital World 2022 (BD 2022) Workshop, Member of the Programme Committee
- 2022, Digital Humanities in the Nordic and Baltic Countries 6th Conference (DHNb 2022), Reviewer
- 2022, Workshop on Digital Parliamentary Data in Action (DiPaDA), Member of the Programme Committee
- 2021, Advances on Societal Digital Transformation conference (DIGITAL), Member of the Technical Program Committee
- 2021, Workshop on Natural Language Processing for Digital Humanities (NLP4DH), Member of the Programme Committee
- 2021, 13th International Conference on Knowledge Engineering and Ontology Development (KEOD 2021), Member of the Programme Committee

- 2021, International Workshop on Semantic Web and Ontology Design for Cultural Heritage (SWODCH 2021), Member of the Programme Committee
- 2021, ACDH-CH Tool Gallery Data modeling, Digital Habsburg Platform Workshop II, invited round table “Interoperability of prosopographical Data” discussant, Austrian Academy of Sciences
- 2021–, Finto service Steering Group, National Library of Finland, Member
- 2021, Routledge, Reviewer of an academic book proposal
- 2020–, Digital Humanities Quarterly, Association for Computers and the Humanities and the Alliance of Digital Humanities Organizations, Reviewer
- 2020, The Fourteenth International Conference on Advances in Semantic Processing (SEMAPRO 2020), Member of the Programme Committee
- 2020, 20th International Conference on Web Engineering (ICWE 2020), Member of the Demos and Posters Programme Committee
- 2019–, Digital Humanities in the Nordic & Baltic Countries association, Website administrator
- 2019–, Leibniz Competition, Leibniz Association, Reviewer
- 2019–, COST Action CA18209 European network for Web-centred linguistic data science, Member of Management Committee, Co-leader of WG4 task “Use cases in Humanities and Social Sciences”
- 2019, Tracing the Complex History of Manuscripts Using Linked Data, Digital Humanities Conference 2019 (DH2019) Pre-Conference Workshop, Workshop co-leader
- 2019, 1st International Workshop on Ontologies for Digital Humanities and their Social Analysis (WODSHA2019) at the 5th Joint Ontology Workshops (JOWO 2019), Member of the Programme Committee
- 2019, The Thirteenth International Conference on Advances in Semantic Processing (SEMAPRO 2019), Member of the Programme Committee
- 2019, 23rd International Conference on Theory and Practice of Digital Libraries (TPDL 2019), Reviewer
- 2019, The First International Workshop on Open Data and Ontologies for Cultural Heritage (ODOCH’19) at CAiSE’19, Member of the Programme Committee
- 2019, Applied Ontology, IOS Press, Reviewer
- 2019–, COST Action CA18128 Saving European Archaeology from the Digital Dark Age, Member of Management Committee
- 2019–, Digital Scholarship in the Humanities journal, Oxford University Press, Reviewer
- 2019–, Digital Humanities Advisory Board, National Library of Finland, Member
- 2019, Digital Humanities in the Nordic Countries 4th Conference (DHN 2019), Reviewer
- 2018, IEEE Transactions on Emerging Topics in Computing journal, Reviewer
- 2018–2019, Heritage journal, MDPI, Reviewer
- 2018, The Twelfth International Conference on Advances in Semantic Processing (SEMAPRO 2018), Member of the Programme Committee
- 2018, Applied Sciences journal, MDPI, Reviewer
- 2018, Information journal, MDPI, Reviewer
- 2018, Future Internet journal, MDPI, Reviewer
- 2018, International Workshop on Semantics in the Deep: Semantic Analytics for Big Data (SEDSEAL 2018), Member of the Programme Committee
- 2018, Digital Humanities in the Nordic Countries 3rd Conference (DHN 2018), Web Chair, Member of the Organising Committee, Reviewer
- 2017, The Eleventh International Conference on Advances in Semantic Processing (SEMAPRO 2017), Member of the Programme Committee
- 2017–, Knowledge and Information Systems journal, Springer, Reviewer
- 2017, Digital Humanities in the Nordic Countries 2nd Conference (DHN 2017), Reviewer
- 2015–2017, Digitisation of the Names Archive project, Institute for the Languages of Finland (Kotus), Vice member of the Support group
- 2014, International Conference on Legal Knowledge and Information Systems (JURIX 2014), External Reviewer
- 2014–, Semantic Web journal, IOS Press, Reviewer
- 2014, Earth Science Informatics journal, Springer, Reviewer

- 2013, OnTheMove 2013 9th International Workshop on Ontology Content (OnToContent 2013), Member of the Programme Committee
- 2012, OnTheMove 2012 8th International Workshop on Ontology Content (OnToContent 2012), Member of the Programme Committee
- 2011, ISWC 2011 Workshop on Ontologies come of Age in the Semantic Web (OCAS 2011), Member of the Programme Committee
- 2010, ESWC 2010 Workshop on Ontology Repositories and Editors for the Semantic Web (ORES 2010), Member of the Programme Committee
- 2011–2015, Helsinki Doctoral Programme in Computer Science, adjunct position

Scientific and societal impact

- 2018–2020, Automatic anonymisation and content description of documents containing personal data (ANOPPI) project, Ministry of Justice, Vice member of the Steering group
- 2017, Identifier Practices in the Public Administration working group, Ministry of Finance, Member
- 2010, Evaluation of the application “Terms Used in Bionomenclature” (<http://bionomenclature-glossary.gbif.org>) for the Global Biodiversity Information Facility organization

Other merits

- Finnish military rank: gunner (tykkimies)
- Research visit, University of Oxford, United Kingdom, 6.–17.3.2017
- Research visit, University of Oxford, United Kingdom, 22.11.–2.12.2016
- COST short term scientific mission, University of Oxford, United Kingdom, 28.3.–8.4.2016