

A five step refactoring process : improving software design properly

Pöld, Janari; Kalja, Ahto; Robal, Tarmo Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 93-96 : ill

A five step refactoring process : improving software design properly

Pöld, Janari; Kalja, Ahto; Robal, Tarmo Databases and information systems : proceedings of the Eighth International Baltic Conference, Baltic DBAMPIS 2008 : Tallinn, June 2-5, 2008 2008 / p. 37-48 : ill

A model for users' action prediction based on locality profiles

Robal, Tarmo; Kalja, Ahto Information systems development : challenges in practice, theory and education. Volume 1 2009 / p. 169-182 https://link.springer.com/chapter/10.1007/978-0-387-68772-8_14

A multilevel modelling environment for machine elements design

Kalja, Ahto; Kindel, Kristiina; Tiidemann, Tiit International Symposium on Machine Design OST 2001 : [Tallinn, Estonia, October 4-5, 2001] : abstracts 2001 / [1] p. : ill

A multilevel modelling environment for machine elements design

Kalja, Ahto; Kindel, Kristiina; Tiidemann, Mart; Tiidemann, Tiit OST-01 Symposium on Machine Design : Tallinn, Estonia, October 4-5, 2001 : proceedings 2001 / p. 45-50 : ill

A semantic method of automatic composition of e-government services

Maigre, Riina; Grigorenko, Pavel; Haav, Hele-Mai; Kalja, Ahto Databases and information systems : tenth international Baltic conference on databases and information systems : local proceedings, materials of doctoral consortium : Vilnius, Lithuania, July 8-11, 2012 2012 / p. 182

A study on effective knowledge reuse in multi-platform web applications user interfaces

Marenkov, Jevgeni; Robal, Tarmo; Kalja, Ahto PICMET '15 Conference : Management of the Technology Age : August 2-6, 2015, Portland, Oregon, USA : conference bulletin 2015 / p. 68

A study on user click behaviour for WIS user interface improvements

Marenkov, Jevgeni; Robal, Tarmo; Kalja, Ahto Databases and information systems VIII : selected papers from the Eleventh International Baltic Conference, DB&IS 2014 2014 / p. 173-186 : ill

AAMPA läbi aegade : [ettekanne TTÜs toimunud konverentsil, mis oli pühendatud TTÜ, TLÜ ja ITK toimetamisel ajakirja AAMPA 50. numbri ilmutamiseks]

Kalja, Ahto A & A 2006 / lk. 5-8

Administration of the state information system of the Estonian eGovernment [Electronic resource]

Kalja, Ahto; Robal, Tarmo; Gailan, Triin PICMET '17 : Portland International Conference on Management of Engineering and Technology : Technology Management for the Interconnected World : proceedings 2017 / p. 1-7 : ill. [USB]
<https://doi.org/10.23919/PICMET.2017.8125312>

Ahto Kalja sõnavõtt : [akadeemikute Ilmar Öpiku ja Boris Tamme büstide avamisel akadeemikute alleel 17. sept. 2003]

Kalja, Ahto 85 aastat Tallinna Tehnikaülikooli 2004 / lk. 51

Ajutise teaduslik-tehnilise kollektiivi "Start" tööst

Kalja, Ahto Arvutustehnika ja Andmetöötlus : A&A 1989 / lk. 35-36 https://www.ester.ee/record=b1071940*est

An ontology-based intelligent learning object for teaching the basics of digital logic

Robal, Tarmo; Kann, Taavi; Kalja, Ahto 2011 IEEE International Conference on Microelectronic Systems Education (MSE) : 5-6 June 2011, San Diego, CA, USA 2011 / p. 106-107

Analysing the web log to determine the efficiency of web systems

Robal, Tarmo; Kalja, Ahto; Pöld, Janari Databases and information systems : Seventh International Baltic Conference on Databases and Information Systems. Communications : Vilnius, Lithuania, July 3-6, 2006 2006 / p. 264-275

Applying e-environments in teaching the basics of digital logic

Robal, Tarmo; Kalja, Ahto Proceedings MSE 2007 : 2007 IEEE International Conference on Microelectronic Systems Education : 3-4 June 2007, San Diego, CA 2007 / p. 41-42 : ill <https://ieeexplore.ieee.org/document/4231440/keywords#keywords>

Applying ICT for improving the study process [Electronic resource]

Robal, Tarmo; Kalja, Ahto Proceedings of the 18th EAEEIE Annual Conference : Praha, Czech Republic, 02-04.07.2007 2007 / ? p. [CD-ROM]

Applying user domain model to improve Web recommendations

Robal, Tarmo; Kalja, Ahto Databases and information systems : tenth international Baltic conference on databases and information systems : local proceedings, materials of doctoral consortium : Vilnius, Lithuania, July 8-11, 2012 2012 / p. 182

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

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

Arvamused riigi infosüsteemide kohta : Ahto Kalja [küsimustele vastavad] Alo Koop, Rein Kuusik, ... [jt.]

Kalja, Ahto; Koop, Alo; Kuusik, Rein, inform. A & A 2003 / 3, lk. 77-83

CAD problem solving and technical systems modelling using the AI programming environments

Kalja, Ahto; Kotkas, Vahur; Tiidemann, Tiit Proceedings of the 10th European-Japanese Conference on Information Modelling and Knowledge Bases 2000 / p. 284-290

CAD problem solving and technical systems modelling using the AI programming environments

Kalja, Ahto; Kotkas, Vahur; Tiidemann, Tiit Information Modelling and Knowledge Bases XII 2001 / p. 284-290

Calculation of gear drive by using AI methods in conceptual design

Sanko, Jelena; Tiidemann, Mart; Tiidemann, Tiit; Kalja, Ahto OST-99 Symposium on Machine Design : Stockholm, 30th Sept. - 1st Oct., 1999 : proceedings 1999 / p. 21-27: ill

Comparing software process improvement in Estonia and Finland

Jaakkola, Hannu; Kalja, Ahto; Lepasaar, Marion; Varkoi, Timo Baltic ITAMPT review 2001 / 3, p. 69-74

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

A conceptual framework for software developing in mechanical CAD

Kalja, Ahto; Tiidemann, Mart; Tiidemann, Tiit OST-97 Symposium on Machine Design, Tallinn, Estonia, May 22-23, 1997 : proceedings 1997 / p. 120-128: ill https://www.ester.ee/record=b1083704*est

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

Creating interactive learning objects with web services

Robal, Tarmo; Kalja, Ahto 2009 EAEEIE annual conference : 20th Annual Conference of the European Association for Education in Electrical and Information Engineering : Valencia, Spain, June 22-24, 2009 2009 / [6] p

Creativity trainings and technical education problems in CAD

Kalja, Ahto; Tiidemann, Mart; Tiidemann, Tiit Proceedings of OST05 Conference : Stockholm, Sweden, 2005 2005 / ? p

Creativity trainings and technical education problems in CAD

Kalja, Ahto; Tiidemann, Mart; Tiidemann, Tiit Proceedings of OST05 Conference : Stockholm, October 2005 2006 / ? p

Data exchange layer x-road in use for the third year

Kalja, Ahto Information Technology in Public Administration of Estonia : yearbook 2004 2005 / p. 19-24

Databases and information systems

Haav, Hele-Mai; Kalja, Ahto 2002 https://www.ester.ee/record=b1724800*est

Databases and information systems V : selected papers from the Eighth International Baltic Conference, DBAMPIS 2008

Haav, Hele-Mai; Kalja, Ahto 2009

Databases for systems with structural synthesis of programs

Haav, Hele-Mai; Kalja, Ahto Proc. of the Baltic Workshop on National Infrastructure Databases : problems, methods, experiences 1994 / p. 185-196

Design and automatic calculations of machine elements

Tiidemann, Mart; **Kalja, Ahto; Tiidemann, Tiit** Engineering Graphics BALTRAF-11 : proceedings of the Eleventh International Conference : Tallinn, Estonia, June 9-10, 2011 2011 / p. 124-130 : ill

Design-time web usability evaluation with guidelines

Makarek, Jevgeni; Robal, Tarmo; Kalja, Ahto Complex Systems Informatics and Modeling Quarterly (CSIMQ) 2018 / art. 90, p. 90-109 : ill <https://doi.org/10.7250/csimq.2018-15.05>

Dimensioning and tolerancing - some convenient methods

Kalja, Ahto; Kindel, Kristiina; Tiidemann, Mart; Tiidemann, Tiit Engineering Graphics BALTRAF-6 : proceedings of the Sixth International Conference : Riga, Latvia, June 13-14, 2002 2002 / p. 65-70 : ill

Early activities in the field of software process improvement in Estonia

Kalja, Ahto; Oruaas, Jaan Baltic IT review 1999 / 4, p. 59-62

e-EDU - an information system for e-learning services

Robal, Tarmo; Kalja, Ahto Databases and information systems 2005 / p. 288-298

e-EDU - an information system for e-learning services

Robal, Tarmo; Kalja, Ahto Proceedings of the Sixth International Baltic Conference : BalticDBAMPIS 2004 : Riga, June 3-6, 2004. Vol. 2 2004 / p. 143-154

Eessõna Ilkka Hannula ja Risto Linturi raamatule "Sada nähtust 2000 - 2020"

Kalja, Ahto A & A 1999 / 1, lk. 40 https://artiklid.elnet.ee/record=b1000233*est

Eesti ülikoolide ja infotehnoloogiafirmade koostööst

Jaakkola, Hannu; Kalja, Ahto; Meriste, Merik Arvutimaailm 1998 / 1, lk. 28-31 : ill

Eesti-Soome informaatika tööühm alustas

Kalja, Ahto Arvutustehnika ja Andmetöötlus : A&A 1989 / lk. 38 https://www.ester.ee/record=b1071940*est

eGovernment in Estonia : best practices

Kalja, Ahto; Reitsakas, A.; Saard, N. Technology management : a unifying discipline for melting the boundaries 2005 / p. 500-506

eGovernment services : How to develop them, how to manage them?

Kalja, Ahto; Kindel, Kristiina; Kivi, Riina; Robal, Tarmo Proceedings of PICMET'07 : Management of Converging Technologies : Portland, OR, USA, 5-9. August 2007 2007 / p. 2795-2798 <https://ieeexplore.ieee.org/document/4349620>

Ensuring large-scale semantic interoperability : the Estonian public sector's case study

Haav, Hele-Mai; Kalja, Ahto; Küngas, Peep; Luts, Martin Databases and information systems V : selected papers from the Eighth International Baltic Conference, DBAMPIS 2008 2009 / p. 117-128 : ill

Esimesed kümme X-tee aastat

Kalja, Ahto Eesti infoühiskonna aastaraamat 2011/2012 2012 / lk. 78-80

Estonian eGovernment services : lesson learned

Kalja, Ahto; Põld, Janari; Robal, Tarmo; Vallner, Uuno; Viies, Vladimir Proceedings of PICMET'13 : Technology Management in the IT-Driven Services : [July 28-August 1, 2013, San Jose, California, USA] 2013 / p. 562-568 : ill

Estonian information technology policy in government, industry, and research

Jaakkola, Hannu; Kalja, Ahto Technology managements : strategies & applications 1997 / 3, 299-307

Evaluating Web systems on the basis of users' behavior modeling

Robal, Tarmo; Kalja, Ahto Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 64-67 : ill

Evaluations for improving web systems on the basis of users behaviour modelling

Robal, Tarmo; Kalja, Ahto Databases and information systems : proceedings of the Eighth International Baltic Conference, Baltic DBAMPIS 2008 : Tallinn, June 2-5, 2008 2008 / p. 229-240 : ill

Expectations of software development practitioners for non-technical clients

Ojastu, Deniss; Robal, Tarmo; Kalja, Ahto Databases and information systems VIII : selected papers from the Eleventh International Baltic Conference, DB&IS 2014 2014 / p. 317-330 : ill

A framework for improving web application user interfaces through immediate evaluation

Makarek, Jevgeni; Robal, Tarmo; Kalja, Ahto Databases and information systems IX : selected papers from the twelfth

From pencil to CAD and visual programming

Tiidemann, Mart; Kalja, Ahto; Tiidemann, Tiit Engineering Graphics BALTGRAF-8 : proceedings of the Eighth International Conference : Tallinn, Estonia, June 8-9, 2006 2006 / p. 131-136 : ill

Guideliner : a tool to improve Web UI development for better usability

Marenkov, Jevgeni; Robal, Tarmo; Kalja, Ahto WIMS 2018 : 8th International Conference on Web Intelligence, Mining and Semantics, June 25–27 2018, Novi Sad, Serbia : proceedings 2018 / art. 17, 9 p. : ill <https://doi.org/10.1145/3227609.3227667>
[Conference proceedings at Scopus](#) [Article at Scopus](#)

Improving IT education in Estonian universities

Jaakkola, Hannu; **Kalja, Ahto** PICMET'97 : papers presented at PICMET'97 : Portland International Conference on Management of Engineering and Technology : Portland, Oregon, USA, July 27-31, 1997 1997 / p. 121-128

Improving sophisticated self-service portal user interfaces : a study on user click behaviour

Marenkov, Jevgeni; **Robal, Tarmo; Kalja, Ahto** Databases and Information Systems : proceedings of the 11th International Baltic Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 159-170 : ill

Infotehnoloogia. Sõnastik. Osa 1, Põhiterminid

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1998 https://www.ester.ee/record=b1210955*est

Infotehnoloogia. Sõnastik. Osa 2, Aritmeetika- ja loogikatehted

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1210961*est

Infotehnoloogia. Sõnastik. Osa 3, Aparatuuritehnika

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1708557*est

Infotehnoloogia. Sõnastik. Osa 4, Andmekorraldus

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1210974*est

Infotehnoloogia. Sõnastik. Osa 5, Andmeesitus

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1210985*est

Infotehnoloogia. Sõnastik. Osa 6, Andmevalmendus ja andmekäitlus

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1211001*est

Infotehnoloogia. Sõnastik. Osa 7, Programmeerimine

Hanson, Vello; Tavast, Arvi; **Kalja, Ahto; Võhandu, Leo** 2002 https://www.ester.ee/record=b1620201*est

Infotehnoloogia. Sõnastik. Osa 8, Turvalisus

Hanson, Vello; Tavast, Arvi; **Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1323628*est

Infotehnoloogia. Sõnastik. Osa 9, Andmeside

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1998 https://www.ester.ee/record=b1211010*est

Infotehnoloogia. Sõnastik. Osa 10, Käitusmeetodid ja -vahendid

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1211013*est

Infotehnoloogia. Sõnastik. Osa 11, Töötlusseadmed

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1211017*est

Infotehnoloogia. Sõnastik. Osa 12, Välisseadmed

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1211025*est

Infotehnoloogia. Sõnastik. Osa 13, Raalgraafika

Hanson, Vello; **Agur, Ustus; Kalja, Ahto; Võhandu, Leo** 1998 https://www.ester.ee/record=b1211072*est

Infotehnoloogia. Sõnastik. Osa 14, Töökindlus, hooldatavus ja käideldavus

Hanson, Vello; Tavast, Arvi; **Kalja, Ahto; Võhandu, Leo** 1999 https://www.ester.ee/record=b1323632*est

Infotehnoloogia. Sõnastik. Osa 15, Programmikeeled

Hanson, Vello; Tavast, Arvi; **Kalja, Ahto; Võhandu, Leo** 2001 https://www.ester.ee/record=b1536049*est

Infotehnoloogia. Sõnastik. Osa 16, Infoteooria

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1998 https://www.ester.ee/record=b1211077*est

Infotehnoloogia. Sõnastik. Osa 17, Andmebaasid

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1998 https://www.ester.ee/record=b1211082*est

Infotehnoloogia. Sõnastik. Osa 18, Hajustöötlus

Hanson, Vello; Tavast, Arvi; Kalja, Ahto; Vöhandu, Leo 2001 https://www.ester.ee/record=b1536056*est

Infotehnoloogia. Sõnastik. Osa 19, Analooarvutid

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1999 https://www.ester.ee/record=b1211085*est

Infotehnoloogia. Sõnastik. Osa 20, Süsteemiarendus

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1998 https://www.ester.ee/record=b1211096*est

Infotehnoloogia. Sõnastik. Osa 21, Protsessiliidesed

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1999 https://www.ester.ee/record=b1211102*est

Infotehnoloogia. Sõnastik. Osa 22, Kalkulaatorid

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1999 https://www.ester.ee/record=b1211104*est

Infotehnoloogia. Sõnastik. Osa 23, Tekstitöötlus

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1998 https://www.ester.ee/record=b1211107*est

Infotehnoloogia. Sõnastik. Osa 24, Integraalne raalvalmistus

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1998 https://www.ester.ee/record=b1211114*est

Infotehnoloogia. Sõnastik. Osa 25, Kohtvõrgud

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1998 https://www.ester.ee/record=b1211120*est

Infotehnoloogia. Sõnastik. Osa 26, Avatud süsteemide ühendamine

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1998 https://www.ester.ee/record=b1211497*est

Infotehnoloogia. Sõnastik. Osa 27, Bürooautomaatika

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1998 https://www.ester.ee/record=b1211505*est

Infotehnoloogia. Sõnastik. Osa 28, Intellektitehnika. Põhimõisted ja ekspertsüsteemid

Hanson, Vello; Agur, Ustus; Kalja, Ahto; Vöhandu, Leo 1998 https://www.ester.ee/record=b1211510*est

Infotehnoloogia. Sõnastik. Osa 29, Intellektitehnika. Kõnetuvastus ja kõnesüntees

Hanson, Vello; Tavast, Arvi; Kalja, Ahto; Vöhandu, Leo 2001 https://www.ester.ee/record=b1536063*est

Infotehnoloogia. Sõnastik. Osa 30, Raalnägemine

Hanson, Vello; Tavast, Arvi; Kalja, Ahto; Vöhandu, Leo 2003 https://www.ester.ee/record=b1763027*est

Infotehnoloogia. Sõnastik. Osa 31, Intellektitehnika. Tehisõpe

Hanson, Vello; Tavast, Arvi; Kalja, Ahto; Vöhandu, Leo 1999 https://www.ester.ee/record=b1323638*est

Infotehnoloogia. Sõnastik. Osa 32, Elektronpost

Hanson, Vello; Tavast, Arvi; Kalja, Ahto; Vöhandu, Leo 2002 https://www.ester.ee/record=b1620212*est

Infotehnoloogia. Sõnastik. Osa 33, Hüpermeedium ja multimeedium

Hanson, Vello; Tavast, Arvi; Kalja, Ahto; Vöhandu, Leo 2003 https://www.ester.ee/record=b1763032*est

Infotehnoloogia. Sõnastik. Osa 34, Intellektitehnika. Neurovõrgud

Hanson, Vello; Tavast, Arvi; Kalja, Ahto; Vöhandu, Leo 2001 https://www.ester.ee/record=b1536069*est

Infotehnoloogia. Sõnastik. Osa 35, Võrgundus

Hanson, Vello; Tavast, Arvi; Kalja, Ahto; Vöhandu, Leo 2003 https://www.ester.ee/record=b1763034*est

Infotehnoloogia. Sõnastik. Osa 37, Virtuaalreaalsus

Hanson, Vello; Tavast, Arvi; Kalja, Ahto; Vöhandu, Leo 2003 https://www.ester.ee/record=b1763036*est

Infotehnoloogiaüritustel Riias

Kalja, Ahto; Penjam, Jaan A & A 1998 / 3, lk. 58-60

Interactive hands-on tools as learning objects on web services

Robal, Tarmo; Kalja, Ahto 2009 International Conference on Microelectronic Systems Education : San Francisco, CA, USA, 25-27 July, 2009 2009 / p. 73-76

IT innovation is the first step on the way to the information society

Jaakkola, Hannu; **Kalja, Ahto** Proceedings PICMET'01 : Portland, Oregon, USA, 2001 : book of summaries. Vol. 1 2001 / p. 490

IT strategies and government IT policy in Estonia - changes and foreign influences

Kalja, Ahto; Jaakkola, Hannu Technological innovation and global challenges : proceedings of the European Conference on Management of Technology, Aston University, Birmingham, UK 1995 / p. 876-883

Key success factors of a regional software process improvement program

Lepasaar, Marion; Kalja, Ahto; Varkoi, T.; Jaakkola, Hannu Proceedings PICMET'01 : Portland, Oregon, USA, 2001 : book of summaries. Vol. 1 2001 / p. 432

Learning from users for a better and personalized web experience

Robal, Tarmo; Kalja, Ahto 2012 Proceedings of PICMET '12 : Technology Management for Emerging Technologies 2012 / p. 2179-2188 : ill

Läti keelel on teadustöös suurem roll kui eesti keelel

Haav, Hele-Mai; Kalja, Ahto; Nöges, Krõõt Mente et Manu 2014 / lk. 16-17 : fot https://artiklid.elnet.ee/record=b2674038*est

Making use of personalized web services in the study process

Robal, Tarmo; Kalja, Ahto BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 211-212 : ill

Making web users' domain models explicit by applying ontologies

Robal, Tarmo; Haav, Hele-Mai; Kalja, Ahto Advances in Conceptual Modeling - Foundations and Applications : ER 2007 Workshops CMLSA, FP-UML, ONISW, QoIS, RIGiM, SeCoGIS : Auckland, New Zealand, November 5-9, 2007 : proceedings 2007 / p. 170-179 https://link.springer.com/content/pdf/10.1007/978-3-540-76292-8_20.pdf

Managing knowledge in Web portals for improved customer loyalty and satisfaction

Robal, Tarmo; Kalja, Ahto Proceedings of PICMET'13 : Technology Management in the IT-Driven Services : [July 28-August 1, 2013, San Jose, California, USA] 2013 / p. 1207-1216 : ill

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>

Masinaelementide raalprojekteerimise paketid "Expertprizis"

Kalja, Ahto; Tiidemann, Tiit Arvutustehnika ja Andmetöötlus 1988 / lk. 13-17 : ill https://www.ester.ee/record=b1071940*est

Masinprojekteerimine

Kalja, Ahto; Tiidemann, Tiit; Tõugu, Enn 1991 http://www.ester.ee/record=b1190460*est

Mining and modelling web user engagement : a survey on academic sites for framework establishment [Electronic resource]

Robal, Tarmo; Kalja, Ahto PICMET '16 : Portland International Conference on Management of Engineering and Technology : proceedings. Technology Management for Social Innovation 2016 / p. 1942-1952 : ill. [USB] <https://doi.org/10.1109/PICMET.2016.7806759>

Modernization of the e-government in Estonia

Kalja, Ahto; Põld, Janari; **Robal, Tarmo**; Vallner, Uuno Proceedings of PICMET '11 : Technology Management in the Energy Smart World (PICMET) : July 31 - August 4, 2011, Portland, Oregon USA 2011 / p. 3151-3157 : ill

Moving Hadoop to the Cloud for Big Data Analytics

Astrova, Irina; Koschel, Arne; Heine, Felix; **Kalja, Ahto** Databases and information systems X : selected papers from the thirteenth International Baltic Conference, DB&IS 2018 2019 / p. 195-209 <https://doi.org/10.3233/978-1-61499-941-6-195>
https://www.ester.ee/record=b5203991*est [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Moving studies to e-environments : a case study

Robal, Tarmo; Kalja, Ahto Current Developments in Technology-Assisted Education : Badajoz, Spain. Vol. II 2006 / p. 936-940

Möötahelate ja istude koosarvutamisest

Tiidemann, Tiit; Kalja, Ahto Tallinna Tehnikakõrgkooli Toimetised 2004 / lk. 61-65 : ill

New generations of Estonian eGovernment components

Kalja, Ahto; Robal, Tarmo; Vallner, Uno PICMET '15 : proceedings : Management of the Technology Age 2015 / p. 625-631 : ill
<http://dx.doi.org/10.1109/PICMET.2015.7273002>

New generations of Estonian eGovernment components

Kalja, Ahto; Robal, Tarmo; Vallner, Uno PICMET '15 Conference : Management of the Technology Age : August 2-6, 2015, Portland, Oregon, USA : conference bulletin 2015 / p. 93

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

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

On proving the concept of an ontology aided software refactoring tool

Pöld, Janari; Robal, Tarmo; Kalja, Ahto Databases and information systems : tenth international Baltic conference on databases and information systems : local proceedings, materials of doctoral consortium : Vilnius, Lithuania, July 8-11, 2012 2012 / p. 179
https://www.researchgate.net/publication/287294774_On_proving_the_concept_of_an_ontology_aided_software_refactoring_tool

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>

Overview of SPI activities in Estonia

Kalja, Ahto; Oruaas, Jaan Proceedings of the EuroSPI'99 conference : Learn from the Past - Experience the Future : Pori, Finland, 25.-27. October 1999 1999 / p. 8.41-8.47

Perceptions of software development practitioners on client learning

Ojastu, Deniss; Robal, Tarmo; Kalja, Ahto Databases and Information Systems : proceedings of the 11th International Baltic Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 397-406

Preface

Haav, Hele-Mai; Kalja, Ahto; Robal, Tarmo Databases and information systems VIII : selected papers from the Eleventh International Baltic Conference, DB&IS 2014 2014 / p. v

PRIZ-pere tarkvarasüsteemid

Kalja, Ahto Arvutustehnika ja Andmetöötlus 1988 / lk. 21-24 https://www.ester.ee/record=b1071940*est

Professor Ahto Kalja kõne rektor Boris Tamme rinnakuju avamisel : [17. sept. 2003 akadeemikute allee]

Kalja, Ahto Tallinna Tehnikaülikooli aastaraamat 2003 2004 / lk. 55-56

Projekti X-tee arengusammud

Kalja, Ahto A & A 2003 / 3, lk. 15-23 https://artiklid.elnet.ee/record=b1013459*est

Public e-service projects in Estonia

Kalja, Ahto; Vallner, Uno Databases and information systems : proceedings of the Fifth International Baltic Conference : Baltic DB & IS 2002 : Tallinn, June 3-6, 2002. Vol. 2 2002 / p. 143-153

Refactoring - key to success for constantly developed projects

Pöld, Janari; Kalja, Ahto; Robal, Tarmo Information modelling and knowledge bases XXVIII 2017 / p. 13-22
<https://doi.org/10.3233/978-1-61499-720-7-13>

Refactoring - key to success for constantly developed projects [Electronic resource]

Pöld, Janari; Kalja, Ahto; Robal, Tarmo Proceedings of the 26th International Conference on Information Modelling and Knowledge Bases - EJC 2016 : June 6-10, 2016, Tampere, Finland 2016 / p. 15-24. [USB]

Riigi andmekogude moderniseerimise programm (X-tee)

Kalja, Ahto Infotehnoloogia avalikus halduses : aastaraamat 2001 2001 / lk. 45-48 : ill

Saateks

Kalja, Ahto Arvutustehnika ja Andmetöötlus 1992 / 2, lk. [1]

Scalable Hadoop-based infrastructure for big data analytics

Astrova, Irina; Koschel, Arne; Heine, Felix; Kalja, Ahto Databases and Information Systems : 13th International Baltic Conference, DB&IS 2018, Trakai, Lithuania, July 1-4, 2018 : proceedings 2018 / p. 233-242 https://doi.org/10.1007/978-3-319-97571-9_19
[Conference proceedings at Scopus](#) [Article at Scopus](#)

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

Small knowledge-based CAD systems

Kalja, Ahto; Pahapill, Jaak Information modelling and knowledge bases 3 1992 / p. 347-356
<https://digikogu.taltech.ee/et/Item/0b81d45e-2526-40af-a28d-25ffb6232807>

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 study on effective knowledge reuse in multi-platform web applications user interfaces

Marenkov, Jevgeni; Robal, Tarmo; Kalja, Ahto PICMET '15 : proceedings : Management of the Technology Age 2015 / p. 1351-1361 : ill <https://doi.org/10.1109/PICMET.2015.7273083>

A study on immediate automatic usability evaluation of web application user interfaces

Marenkov, Jevgeni; Robal, Tarmo; Kalja, Ahto Databases and Information Systems : 12th International Baltic Conference, DB&IS 2016, Riga, Latvia, July 4-6, 2016 : proceedings 2016 / p. 257-271 : ill https://doi.org/10.1007/978-3-319-40180-5_18

Studying the incorrect user behaviour in sophisticated self-service portal user interfaces

Marenkov, Jevgeni; Robal, Tarmo; Kalja, Ahto Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 71-74 : ill

Supporting mechanical design with visual programming in the NUT environment

Kalja, Ahto; Tiidemann, Tiit OST-98 Symposium on Machine Design, Oulanka, Finland, October 1-3, 1998 : proceedings 1998 / p. 163-172: ill

System integration process of government information systems

Kalja, Ahto The proceedings of PICMET'03 : Portland, Oregon, USA, 2003 2003 / [6] p

Teadusseminaril Jaapanis

Kalja, Ahto Arvutustehnika ja Andmetöötlus 1992 / 4, lk. 37-40

Teine rahvusvaheline infotehnoloogiakonverents "Eesti infomaastik '99"

Kalja, Ahto A & A 1999 / 4, lk. 49-51

Tele-education projects in the broadband network in Estonia

Kalja, Ahto; Ots, Avo; Penjam, Jaan Baltic IT review 1999 / 3, p. 65-68

The co-operation of universities and IT companies in Estonia

Jaakkola, Hannu; Kalja, Ahto; Meriste, Merik Pioneering New Technologies : Management Issues and Challenges in the Third Millennium : IEMC '98 proceedings, International Conference on Engineering and Technology Management : October 11 to 13, 1998, San Juan, Puerto Rico, USA 1998 / p. 202-206

The Estonian semantic interoperability initiative in public sector

Luts, Martin; Haav, Hele-Mai; Küngas, Peep; Vallner, Uuno; Kalja, Ahto; Arula, Kalle Databases and information systems :

The first ten years of X-road

Kalja, Ahto Estonian information society yearbook 2011/2012 2012 / p. 78-80

The future of educating IT professionals in Estonia

Jaakkola, Hannu; **Kalja, Ahto**; Meriste, Merik Baltic IT review 1998 / 3, p. 50-53: ill

The International IT & Telecommunications Conference "Estonian Infoscapes 1998"

Kalja, Ahto Baltic IT review 1998 / 3, p. 15-16: ill

The most important trends in machine design

Kalja, Ahto; Tiidemann, Mart; Tiidemann, Tiit OST-03 Symposium on Machine Design 2003 / p. 212-219 : ill

The most prominent software development concepts cited in IT professionals' blogs

Ojastu, Deniss; Robal, Tarmo; **Kalja, Ahto** Perspectives in business informatics research : 14th International Conference, BIR 2015, Tartu, Estonia, August 26-28, 2015 : proceedings 2015 / p. 197-212 http://dx.doi.org/10.1007/978-3-319-21915-8_13

The Second International Information Technologies and Telecommunications Conference "Estonian Infoscapes 1999"

Kalja, Ahto Baltic IT review 1999 / 2, p. 15-16

The service-oriented environment of government databases and information systems in Estonia

Kalja, Ahto; Kindel, Kristiina; Kivi, Riina Baltic ITAMPT review 2004 / 3, p. 7-11 https://artiklid.elnet.ee/record=b2026367*est

The X-road : a key interoperability component within the state information system

Kalja, Ahto Information technology in public administration of Estonia : yearbook 2007 2008 / p. 19-22

The X-road project : a project to modernize Estonia's national databases

Kalja, Ahto Baltic ITAMPT review 2002 / 1, p. 47-48

A tool for design-time usability evaluation of web user interfaces

Marenkov, Jevgeni; Robal, Tarmo; **Kalja, Ahto** Advances in databases and information systems 21st European Conference, ADBIS 2017 Nicosia, Cyprus, September 24-27, 2017 : proceedings 2017 / p. 394-407 : ill http://doi.org/10.1007/978-3-319-66917-5_26

Towards information society : Estonian case study

Kalja, Ahto; Robal, Tarmo; Vallner, Uno Proceedings of PICMET'09 : Portland International Conference on Management of Engineering & Technology, 2009 : Portland, Oregon, USA, August 2-6, 2009 2009 / p. 3218-3225 : ill

Towards the semantic web : extracting OWL ontologies from SQL relational schemata

Astrova, Irina; **Kalja, Ahto** Proceedings of the IADIS International Conference WWW/Internet 2006 (ICWI) : Murcia, Spain, 2006, October 5-8. Volume 2 2006 / p. 62-66

TRIZ and artificial intelligent software in the conceptual design

Kalja, Ahto; Tiidemann, Tiit The Sixth Annual Conference of the Altshuler Institute for TRIZ Studies : TRIZCON2004 : Seattle, Washington, April 25-27, 2004 2004 / p. 29-1 - 29-7

TRIZ and ExpertPRIZ type AI software in engineering and education

Tiidemann, Tiit; **Kalja, Ahto** World Conference TRIZ Future 2005 : November 16 to 18, 2005, Graz, Austria 2005 / p. 175-181 : ill

Using software with AI elements for conceptual design of machine elements

Tiidemann, Mart; **Kalja, Ahto**; Tiidemann, Tiit; Tõugu, Enn Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 357-360 : ill

Web systems evaluation on users' behaviour modelling

Robal, Tarmo; **Kalja, Ahto** Databases and information systems V : selected papers from the Eighth International Baltic Conference, DBAMPIS 2008 2009 / p. 41-52 : ill

X-road - one of the cornerstones of the state information system

Kalja, Ahto Information technology in public administration of Estonia : yearbook 2006 2007 / p. 35-43

X-road data traffic open for the second year

Kalja, Ahto Information technology in public administration of Estonia : yearbook 2003 2004 / p. 32-37

X-tee andmeliiklus on avatud teist aastat

Kalja, Ahto Infotehnoloogia avalikus halduses : aastaraamat 2003 2003 / lk. 32-35 https://artiklid.elnet.ee/record=b2125800*est

X-tee areng ja teenused

Kalja, Ahto Infotehnoloogia avalikus halduses : aastaraamat 2002 2002 / lk. 24-26

X-tee on üks infoühiskonna arendusplaani nurgakividest Eestis [Elektrooniline teavik]

Kalja, Ahto Infotehnoloogia avalikus halduses : aastaraamat 2006 2006 / lk. 26-29

X-tee pakub teenustele orienteeritud arhitektuuri

Kalja, Ahto Infotehnoloogia avalikus halduses : aastaraamat 2007 2007 / lk. 34-36

Индивидуальные базы данных для технологического проектирования

Kalja, Ahto Автоматизация технологического проектирования процессов механической обработки 1980 / с. 29-36

Инструментальная система программирования ЕС ЭВМ (ПРИЗ)

Kahro, Milvi; **Kalja, Ahto; Tõugu, Enn** 1981 https://www.ester.ee/record=b1547892*est

Инструментальная система программирования ЕС ЭВМ (ПРИЗ)

Kahro, Milvi; **Kalja, Ahto; Tõugu, Enn** 1988 https://www.ester.ee/record=b1547903*est

Интеграция расчетного и конструкторского проектирования на персональных ЭВМ

Kalja, Ahto; Toomsalu, Toomas; Üksti, Lembit Методология проектирования САПР: тезисы докладов VI Всесоюзного совещания по автоматизации проектирования электротехнических устройств : 14-17 октября 1985 года, Таллин 1985 / с. 152-154

Машиностроение

Grossschmidt, Gunnar; Pääsuke, Jüri; Viktorova, N.H.; Eljas, Olev; Pruuden, Juhan; Küttner, Rein; Kalja, Ahto; Papstel, Jüri; Riives, Jüri 1980 https://www.ester.ee/record=b1264085*est