

A semiotic approach to quality in specifications of software measures

Eessaar, Erki Enterprise information systems : 10th International Conference, ICEIS 2008 : Barcelona, Spain, June 12-16, 2008 : revised selected papers 2009 / p. 73-86 : ill https://link.springer.com/chapter/10.1007/978-3-642-00670-8_6

A set of practices for the development of data-centric information systems

Eessaar, Erki Information system development : improving enterprise communication 2014 / p. 73-84

A SQL database based meta-CASE system and its query subsystem

Eessaar, Erki; Sgirka, Rünno Innovations in computing sciences and software engineering 2010 / p. 57-62
https://link.springer.com/chapter/10.1007/978-90-481-9112-3_10

A UML profile for developing databases that conform to the third Manifesto

Eessaar, Erki Innovations in computing sciences and software engineering 2010 / p. 69-74
<https://ui.adsabs.harvard.edu/abs/2010iics.book...69E/abstract>

An ontological analysis of metamodeling languages

Eessaar, Erki; Sgirka, Rünno Information systems development : reflections, challenges and new directions 2013 / p. 381-392

Andmebaaside projekteerimine

Eessaar, Erki 2008 http://www.ester.ee/record=b2431333*est

Architecture of pattern management software system

Eessaar, Erki Advances in Databases and Information Systems : proceedings of the 9th East-European Conference, ADBIS 2005 : Tallinn, September 12-15, 2005 2005 / p. 189-207 : ill

Automating detection of occurrences of postgresSQL database design problems

Eessaar, Erki Databases and Information Systems : 14th International Baltic Conference, DB&IS 2020, Tallinn, Estonia, June 16-19, 2020 : Proceedings 2020 / p. 176-189 https://doi.org/10.1007/978-3-030-57672-1_14 [Conference proceeding at Scopus](#) [Article at Scopus](#)

A comparison of the universal and the regular database design

Eessaar, Erki; Soobik, Marek Databases and information systems V : selected papers from the Eighth International Baltic Conference, DB&IS 2008 2009 / p. 289-300 : ill

A database-based and web-based meta-CASE system

Eessaar, Erki; Sgirka, Rünno Advanced techniques in computing sciences and software engineering 2010 / p. 379-384
<https://ui.adsabs.harvard.edu/abs/2010atcs.book..379E/abstract>

A data-centric algorithm for identifying use cases

Eessaar, Erki Software Engineering Perspectives and Application in Intelligent Systems : proceedings of the 5th Computer Science On-line Conference 2016 (CSOC2016), Vol 2 2016 / p. 303-316 https://doi.org/10.1007/978-3-319-33622-0_28 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A decision support method for evaluating database designs

Eessaar, Erki; Soobik, Marek Computer science and information systems 2012 / p. 81-106 : ill

Evaluation of different designs to represent missing information in SQL databases

Eessaar, Erki; Saal, Elari Innovations and advances in computer, information, systems sciences, and engineering 2013 / p. 173-187
https://doi.org/10.1007/978-1-4614-3535-8_14 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Evaluation of Different Designs to Represent Missing Information in SQL Databases [Electronic resource]

Eessaar, Erki; Saal, Elari CISSE 2011 International joint conferences 2011 / [6 p. : ill] [CD-ROM]
https://link.springer.com/chapter/10.1007/978-1-4614-3535-8_14

Extended principle of orthogonal database design

Eessaar, Erki Proceedings of the 5th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases : Madrid, Spain, February 15-17, 2006 2006 / p. 360-365
https://www.researchgate.net/publication/255599595_Extended_Principle_of_Orthogonal_Database_Design

Extending UML profiles to model integrity constraints in SQL databases

Eessaar, Erki; Aaberg, Erko 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. 47-65 : ill
https://www.researchgate.net/publication/260291830_Extending_UML_Profiles_to_Model_Integrity_Constraints_in_SQL_Databases

Extending UML profiles to model integrity constraints in SQL databases

Eessaar, Erki; Aaberg, Erko Information modelling and knowledge bases XXIII 2012 / p. 39-58 : ill

Guidelines about usage of the complex data types in a database

Eessaar, Erki WSEAS transactions on information science and applications 2006 / 4, p. 712-719

Holistlik süsteemiarendus süsteematriksi abil

Eessaar, Erki A & A 2005 / 2, lk. 21-39 https://artiklid.elnet.ee/record=b1017792*est

Integrated system analysis environment for the continuous consistency and completeness checking

Eessaar, Erki Knowledge-based Software Engineering : proceedings of the Seventh Joint Conference on Knowledge-based Software Engineering : Tallinn, Estonia, August 28-31, 2006 2006 / p. 96-105

https://www.researchgate.net/publication/221342709_Integrated_System_Analysis_Environment_for_the_Continuous_Consistency_and_Completeness_Checking

Integrated system analysis environment for the continuous consistency and completeness checking

Eessaar, Erki Knowledge-based software engineering : proceedings of the Seventh Joint Conference on Knowledge-Based Software Engineering 2006 / p. 96-105 : ill

https://www.researchgate.net/publication/221342709_Integrated_System_Analysis_Environment_for_the_Continuous_Consistency_and_Completeness_Checking

Metamodel-based comparison of data models

Eessaar, Erki Advances and Innovations in Systems, Computing Sciences and Software Engineering 2007 / p. 109-114

https://link.springer.com/chapter/10.1007/978-1-4020-6264-3_21

Methods for searching patterns from the database of patterns

Eessaar, Erki CAISE'04 Forum proceedings : the 16th Conference on Advanced Information Systems Engineering : Riga, Latvia, 7-11 June, 2004 2004 / p. 103-111

Mustrid ja nende kasutamist abistavad tarkvarasüsteemid

Eessaar, Erki A & A 2003 / 6, lk. 17-32 : ill https://artiklid.elnet.ee/record=b1014278*est

Mustrite kasutamine infosüsteemide arendamiseks

Eessaar, Erki A & A 2002 / 3, lk. 28-38

On applying normalized systems theory to the business architectures of information systems

Eessaar, Erki Baltic journal of modern computing 2014 / p. 132-149 : ill

On finding model smells based on code smells

Eessaar, Erki; Käosaar, Ege Software Engineering and Algorithms in Intelligent Systems : Proceedings of 7th Computer Science On-line Conference 2018, Vol. 1 2019 / p. 269-281 https://doi.org/10.1007/978-3-319-91186-1_28 [Conference proceedings at Scopus](#)

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

On metamodel-based design of software metrics

Eessaar, Erki Balancing agility and formalism in software engineering : second IFTP TC 2 Central and East European Conference on Software Engineering Techniques : CEE-SET 2007 : Poznan, Poland, October 10-12, 2007 : revised selected papers 2008 / p. 40-54 https://link.springer.com/chapter/10.1007/978-3-540-85279-7_4

On pattern-based database design and implementation

Eessaar, Erki Proceedings : 6th ACIS International Conference on Software Engineering Research, Management and Applications : SERA 2008 : 20-22 August 2008, Prague, Czech Republic 2008 / p. 235-242

https://www.researchgate.net/publication/4370312_On_Pattern-Based_Database_Design_and_Implementation

On query-based search of possible design flaws of SQL databases

Eessaar, Erki Innovations and advances in computing, informatics, systems sciences, networking and engineering 2015 / p. 53-60

https://doi.org/10.1007/978-3-319-06773-5_8 [Article collection metrics at Scopus](#) [Article at Scopus](#)

On specification and evaluation of object-relational data models

Eessaar, Erki WSEAS transactions on computer research 2007 / February, p. 163-170

On the design of base tables in the SQL databases of some existing software

Eessaar, Erki Software engineering perspectives in systems : proceedings of 11th Computer Science On-line Conference 2022, Vol. 1 2022 / p. 309-324 https://doi.org/10.1007/978-3-031-09070-7_26 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

On the naming of database objects in the SQL databases of some existing software

Eessaar, Erki Software engineering research in system science : proceedings of 12th Computer Science On-line Conference 2023 2023 / p. 534 - 550 https://doi.org/10.1007/978-3-031-35311-6_51 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

On translation-based design of UML profiles

Eessaar, Erki Innovative techniques in instruction technology, e-learning, e-assessment, and education 2008 / p. 144-149
<https://www.semanticscholar.org/paper/On-Translation-Based-Design-of-UML-Profiles-Eessaar/0c73b384c4b0bab2227388496dfc371dd5a153f>

On universal database design

Eessaar, Erki; Soobik, Marek Databases and information systems : proceedings of the Eighth International Baltic Conference, Baltic DBAMPIS 2008 : Tallinn, June 2-5, 2008 2008 / p. 349-360

On using a semiotic quality framework to evaluate the quality of conceptual database schemas

Eessaar, Erki Emerging trends in computing, informatics, systems sciences, and engineering 2013 / p. 103-115
https://doi.org/10.1007/978-1-4614-3558-7_9 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Pattern-based usability analysis : comparison with a case-study

Zub, Dmitri; Eessaar, Erki Technological developments in education and automation 2010 / p. 225-230
https://link.springer.com/chapter/10.1007/978-90-481-3656-8_42

Pattern-based usability evaluation of e-learning systems

Zub, Dmitri; Eessaar, Erki Innovative techniques in instruction technology, e-learning, e-assessment, and education 2008 / p. 117-122 : ill https://link.springer.com/chapter/10.1007/978-1-4020-8739-4_21

Patterns as reusable fragments of knowledge

Eessaar, Erki Databases and information systems : proceedings of the Fifth International Baltic Conference : Baltic DB & IS 2002 : Tallinn, June 3-6, 2002. Vol. 2 2002 / p. 243-248

Preserving semantics of the whole-part relationships in the object-relational databases

Eessaar, Erki Advances in Information Systems development. New Methods and practice for the Networked Society. 2 2007 / p. 1-11

Preserving semantics of the whole-part relationships in the object-relational databases

Eessaar, Erki 15th International Conference on Information Systems Development : Budapest, Hungary, 31 August - 2 September 2006 2006 / ? p https://link.springer.com/chapter/10.1007/978-0-387-70802-7_1

A quality model of metamodeling systems

Sgirka, Rünno; Eessaar, Erki Emerging trends in computing, informatics, systems sciences, and engineering 2013 / p. 543-555
https://doi.org/10.1007/978-1-4614-3558-7_46 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Relational and object-relational database management systems as platforms for managing software engineering artifacts

Eessaar, Erki 2006 <https://digi.lib.ttu.ee/ii/?85> https://www.ester.ee/record=b2209676*est

Selecting patterns for the evaluation of systems

Zub, Dmitri; Eessaar, Erki Technological developments in networking, education and automation 2010 / p. 77-82
https://link.springer.com/chapter/10.1007/978-90-481-9151-2_14

Specifying business architecture as a step towards achieving normalized systems

Eessaar, Erki Databases and Information Systems : proceedings of the 11th International Baltic Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 425-432 : ill

SQL or third manifesto compliant object-relational database management systems as the platforms for maintaining the whole-part relationships in a database

Eessaar, Erki WSEAS transactions on computers 2006 / 10, p. 2440-2447

The database normalization theory and the theory of normalized systems : finding a common ground

Eessaar, Erki Baltic journal of modern computing 2016 / p. 5-33 : ill

Towards a semiotic quality framework of software measures

Eessaar, Erki ICEIS 2008 : proceedings of the Tenth International Conference on Enterprise Information Systems : Barcelona, Spain, June 12-16, 2008 2008 / p. 41-48 <https://www.semanticscholar.org/paper/Towards-a-Semiotic-Quality-Framework-of-Software-Eessaar/a11a095f7c93450d5656eeae0c55a6a2023dfb29>

Towards pattern management system

Eessaar, Erki ICEIS 2004 : proceedings of the Sixth International Conference on Enterprise Information Systems : Porto, Portugal, April 14-17, 2004. Volume 3 2004 / p. 655-658 https://www.researchgate.net/publication/220711582_Towards_Pattern_Management_System

Truly relational databases as a platform for the artifact management

Eessaar, Erki Proceedings of the Fourteenth International Conference on Information Systems Development : pre-conference 14-17

The usage of declarative integrity constraints in the SQL databases of some existing software

Eessaar, Erki Software Engineering and Algorithms : Proceedings of 10th Computer Science On-line Conference 2021, Vol. 1 2021 / p. 375–390 https://doi.org/10.1007/978-3-030-77442-4_33 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Using metamodeling in order to evaluate datamodels

Eessaar, Erki Proceedings of the 6th WSEAS International conference on artificial Intelligence, Knowledge Engineering and Data Bases : Corfu Island, Greece, February 16-19, 2007 2007 / p. 181-186
https://www.researchgate.net/publication/254470284_Using_Metamodeling_in_order_to_Evaluate_Data_Models

Using relational database in the engineering repository systems

Eessaar, Erki Proceedings of the Eighth International Conference on Enterprise Information Systems : Paphos, Cyprus, May 23-27, 2006 2006 / p. 30-37
https://www.researchgate.net/publication/220710991_Using_Relational_Databases_in_the_Engineering_Repository_Systems

Using SQL queries to evaluate the design of SQL databases

Eessaar, Erki; Voronova, Janina New trends in networking, computing, e-learning, systems sciences, and engineering 2015 / p. 179-186 https://doi.org/10.1007/978-3-319-06764-3_23 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Veebirakenduste disaini modelleerimine UML-i abil

Eessaar, Erki A & A 2000 / 4, lk. 25-35 : ill https://artiklid.elnet.ee/record=b1004808*est

Veebirakenduste loomine - traditsioonilise tarkvaraarenduse ja loomingulise disaini ühendamine

Eessaar, Erki A & A 2000 / 3, lk. 27-37 : ill https://artiklid.elnet.ee/record=b1004182*est

Whole-part relationships in the object-relational databases

Eessaar, Erki Proceedings of the 10th WSEAS International Conference on Computers : Vouliagmeni, Athens, Greece, July 10-15, 2006 2006 / p. 1263-1268