

A new inductive learning algorithm based on monotone system theory

Roosmann, Peeter; Vöhandu, Leo; Kuusik, Rein, inform.; Treier, Tarvo; Lind, Grete Recent advances in applied computer science : proceedings of the 8th WSEAS International Conference on Applied Computer Science (ACS'08) : Venice, Italy, November 21-23, 2008 2008 / p. 310-316

A role-based framework for information system self-development

Roost, Mart; Kuusik, Rein, inform.; Vesikioja, Tarmo Realigning Research and Practice in Information Systems Development : the Social and Organizational Perspective : IFIP TC8/WG8.2 Working Conference on Realigning Research and Practice in Information Systems Development : the Social and Organizational Perspective : July 27-29, 2001, Boise, Idaho, USA 2001 / p. 95-105 : ill https://link.springer.com/chapter/10.1007/978-0-387-35489-7_8

A subject-centred framework for information system and organisation development: analysis and (re)design

Roost, Mart; Kuusik, Rein, inform.; Elmik, Lea Organisational Structures, Management, Simulation of Business Sectors and Systems : the International Federation of Operational Research Societies Special Conference (SPC8), Kaunas, Lithuania, September 10-12, 1998 1998 / p. 222-228: ill

Algorithm for finding zero factor free rules

Lind, Grete; Kuusik, Rein, inform. Man-Machine Interactions 4 : 4th International Conference on Man-Machine Interactions, ICMMI 2015 Kocierz Pass, Poland, October 6-9, 2015 2016 / p. 421 - 435 https://doi.org/10.1007/978-3-319-23437-3_36 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Algorithm MONSA for all closed sets finding : basic concepts and new pruning techniques

Lind, Grete; Kuusik, Rein, inform. WSEAS transactions on information science and applications 2008 / 5, p. 599-611 <https://dl.acm.org/doi/10.5555/1467020.1467025>

An all closed set finding algorithm for data mining

Kuusik, Rein, inform.; Lind, Grete Advances on artificial intelligence, knowledge engineering and data bases : proceedings of the 7th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases (AIKED'08) : Gambridge, UK, February 20-22, 2008 2008 / p. 135-141

An analysis and comparison of adoption of e-learning systems in higher education by lecturers at largest universities in Estonia and Turkey

Güllü, Fatih; Kuusik, Rein, inform.; Šogenov, Kazbulat Baltic journal of modern computing 2016 / p. 428-440 : ill <http://www.bjmc.lv/contents/vol-42016-no-3/>

An effective inductive learning algorithm for extracting rules

Kuusik, Rein, inform.; Lind, Grete Proceedings of the 2011 2nd International Congress on Computer Applications and Computational Science. Vol. 2 2012 / p. 339-344 https://link.springer.com/chapter/10.1007/978-3-642-28308-6_46

An efficient method for post analysis of patterns

Kuusik, Rein, inform.; Liiv, Innar; Lind, Grete Proceedings of the IASTED International Conference on Artificial Intelligence and Applications : Innsbruck, Austria, February 14-16, 2005 2005 / p. 101-105 https://www.researchgate.net/publication/221173660_An_Efficient_Method_for_Post_Analysis_of_Patterns

An idea for universal generator of hypotheses

Lind, Grete; Kuusik, Rein, inform. ICEIS 2012 - proceedings of the 14th International Conference on Enterprise Information Systems : Wroclaw, Poland, 28 June-1 July, 2012. Volume 1 2012 / p. 169-174 <https://www.scitepress.org/PublishedPapers/2012/40971/pdf/index.html>

Analytical CRM with conformity analysis

Liiv, Innar; Kuusik, Rein, inform.; Vöhandu, Leo WSEAS transactions on systems and control 2007 / 2, p. 155-161

Application of theory of monotonic systems for decision trees generation

Kuusik, Rein, inform. Data processing, compiler writing, problems of programming 1989 / p. 47-58

An approach of data mining using monotone systems

Kuusik, Rein, inform.; Lind, Grete Proceedings of Fifth International Conference on Enterprise Information Systems : ICEIS 2003 : Angers, France, April 23-26, 2003. Vol. 2 2003 / p. 482-485

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

An automated legal content capture and visualisation method = Automaatne meetod õigusteabe hankimiseks ja visualiseerimiseks

Täks, Ermo 2013 http://www.ester.ee/record=b2630616*est

Cliques and algorithms with a hidden parallelism

Võhandu, Leo; Kuusik, Rein, inform. Tallinna Tehnikaülikooli Toimetised 1993 / lk. 63-74

Comparing implementation patterns of elearning for higher education in Turkey and Estonia

Güllü, Fatih; Kuusik, Rein, inform.; Demiray, Ugur; Laanpere, Mart Proceedings of the 13th European Conference on e-Learning ECEL-2014 : Aalborg University, Copenhagen, Denmark, 30-31 October 2014 2014 / p. 644-650 : ill

Comparison of matrix reordering algorithms based on monotone systems

Lind, Grete; Kuusik, Rein, inform. The Fifteenth International Conference on Concept Lattices and Their Applications : CLA 2020, Tallinn, Estonia, June 29-July 1, 2020 2020 / p. 281-286 https://www.ester.ee/record=b5353358*est <http://ceur-ws.org/Vol-2668/short2.pdf>
[Conference proceedings at Scopus](#) [Article at Scopus](#)

Conformity analysis of e-learning systems at largest universities in Estonia and Turkey on the basis of EES model = Eesti ja Türgi suuremate ülikoolide e-õppe süsteemide võrdlev analüüs EES-mudeli baasil

Güllü, Fatih 2017 <https://digi.lib.ttu.ee/i/?8210> https://www.ester.ee/record=b4685404*est

Conformity analysis with structured query language

Liiv, Innar; Kuusik, Rein, inform.; **Võhandu, Leo** 6th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases : Corfu Island, Greece, February 16-19, 2007 2007 / p. 187-189
https://www.academia.edu/3807457/Conformity_analysis_with_structured_query_language

Data mining: pattern mining as a clique extracting task

Kuusik, Rein, inform.; **Lind, Grete; Võhandu, Leo** ICEIS 2004 : proceedings of the Sixth International Conference on Enterprise Information Systems : Porto, Portugal, April 14-17, 2004. Volume 2 2004 / p. 519-522

Database mining

Võhandu, Leo; Kuusik, Rein, inform.; **Roosmann, Peeter** GIS-Baltic Sea States '95 : exhibition, conference - Tallinn, Estonia, 13-15 December, 1995 : abstracts, catalogue 1995 / p. 55

Database mining and GIS

Võhandu, Leo; Kuusik, Rein, inform.; **Roosmann, Peeter** GIS - Baltic Sea States '95 : exhibition and conference, 13-15 December 1995 - Tallinn, Estonia : proceedings 1997 / p. 159-163

Describing data table with best decision

Torim, Ants; Kuusik, Rein, inform. Proceedings of the 5th WSEAS International Conference on Simulation, Modeling and Optimization : Corfu, Greece, August 17-19, 2005 2005 / p. 152-157 : ill

Determinacy analysis as a diclique extracting task

Lind, Grete; Kuusik, Rein, inform. New aspects on computing research : proceedings of the 2nd European Computing Conference (ECC'08) : Malta, September 11-13, 2008 2008 / p. 119-125
https://www.researchgate.net/publication/262161803_Determinacy_analysis_as_a_diclique_extracting_task

Development and implementation of e-governance framework and paperless management in local governments = E-valitsemisele ja digitaalsele asjaajamisele ülemineku raamistiku väljatöötamine ja rakendamine kohalikes omavalitsustes

Pappel, Ingrid 2013 https://www.ester.ee/record=b2968909*est

Development and implementation of e-governance framework and paperless management in local governments = E-valitsemisele ja digitaalsele asjaajamisele ülemineku raamistiku väljatöötamine ja rakendamine kohalikes omavalitsustes

Pappel, Ingrid 2013 https://www.ester.ee/record=b3043041*est

Electronic education system model-2

Güllü, Fatih; Kuusik, Rein, inform.; Laanpere, Mart Proceedings of the International Conference e-Learning : Las Palmas de Gran Canaria, Spain, July 21-24, 2015 2015 / p. 162-166 : ill

Expert system as a part of information system

Võhandu, Leo; Kuusik, Rein, inform. Tallinna Tehnikaülikooli Toimetised 1991 / lk. 3-7

Extracting of all maximal cliques : monotone system approach

Kuusik, Rein, inform. Proceedings of the Estonian Academy of Sciences. Engineering 1995 / 2, p. 113-138

Formal concepts in the theory of monotone systems = Formaalsed mõisted monotoonsete süsteemide teooria käsitluses

Torim, Ants 2009 https://www.ester.ee/record=b2540617*est

Frequent pattern mining as a clique extracting task

Kuusik, Rein, inform.; **Lind, Grete; Võhandu, Leo** SCI 2004 : the 8th World Multi-Conference on Systemics, Cybernetics and Informatics : July 18-21, 2004, Orlando, Florida, USA. Volume 4 2004 / p. 425-428

From determinacy analysis to zero factor free determinacy analysis and universal generator of hypotheses : development of algorithms = Determinatsioonanalüüsi nullfaktorivaba determinatsioonanalüüsi ja universaalse hüpoteeside generaatorini : algoritmide arendus

Lind, Grete 2017 <https://digi.lib.ttu.ee/ii/?9121> https://www.ester.ee/record=b4743672*est

A generalized conceptual architecture of the Estonian statistical information system

Elmik, Lea; Roost, Mart; Kuusik, Rein, inform.; Vesikioja, Tarmo; Rava, Karin; Randlepp, Allan Proceedings of the IADIS International Conference Applied Computing 2009 : Rome, Italy, 19-21 November 2009. Vol. 2 2009 / p. 333-336

Generator of hypotheses - an approach of data mining based on monotone systems

Kuusik, Rein, inform.; Lind, Grete International Twelfth Turkish Symposium on Artificial Intelligence and Neural Networks : TAINN 2003 : Canakkale, Turkey, July 2-4, 2003 2003 <https://zenodo.org/records/1077693>

Infosüsteemi isarendamise toimimismudel infoühiskonnas

Kuusik, Rein, inform. A & A 2000 / 3, lk. 14-22 https://artiklid.elnet.ee/record=b1004181*est

Kuidas kaitsta tarkvara : [avalik diskussioon, 15. dets. 1999]

Kuusik, Rein, inform. Tehnikaülikool 1999 / 20. dets., lk. 11 https://www.ester.ee/record=b5309277*est

Kvalitatiivsete tunnuste hüpoteeside generaator ja selle kasutamine juhtide kontrollimistegevuse uurimisel

Velsberg, Raivo; Kuusik, Rein, inform. Majanduse ja rahvastiku taastootmine : noorte majandusteadlaste X teadusseminar, Tallinn-Aegna, 9.-11. juuni, 1988 1988 / lk. 95-98 : tabel https://www.ester.ee/record=b1225501*est

Machine learning task as a diclique extracting task

Kuusik, Rein, inform.; Treier, Tarvo; Lind, Grete; Roosmann, Peeter 2009 Sixth International Conference on Fuzzy Systems and Knowledge Discovery : FSKD'09 : Tianjin, China, August 14-16, 2009. 1 2009 / p. 555-560 <https://ieeexplore.ieee.org/document/5358516>

A model of information systems development for learning virtual organizations

Roost, Mart; Kuusik, Rein, inform.; Rava, Karin; Vesikioja, Tarmo Information Systems Development Advances in Theory, Practice and Education : 13th International Conference on Information Systems Development : ISD'2004 : Vilnius, Lithuania, 9-11. September 2004 2005 / p. 315-325 https://doi.org/10.1007/0-387-28809-0_28

A model-driven architecture of enterprise information system as the space for Information Systems Development

Roost, Mart; Kuusik, Rein, inform.; Rava, Karin; Vesikioja, Tarmo CAISE'04 Forum proceedings : the 16th Conference on Advanced Information Systems Engineering : Riga, Latvia, 7-11 June, 2004 2004 / p. 194 : ill

Monotone systems approach in inductive learning

Roosmann, Peeter; Vöhandu, Leo; Kuusik, Rein, inform.; Treier, Tarvo; Lind, Grete International journal of applied mathematics and informatics 2008 / 2, p. 47-56 : ill <https://data laundering.com/download/ami-30.pdf>

Monotoonsed süsteemid ja nende rakendused [Võrguteavik]

Vöhandu, Leo; Kuusik, Rein, inform.; Lind, Grete 2019 https://issuu.com/monotsys/docs/monotoonsed_s_steemid
<https://digi.lib.ttu.ee/ii/?13712>

Monotoonsete süsteemide rakendused : avalik loeng 4. mail 2001 TTÜs

Kuusik, Rein, inform. Tallinna Tehnikaülikooli aastaraamat 2001 2003 / lk. 267-272

New developments for determinacy analysis : diclique-based approach

Lind, Grete; Kuusik, Rein, inform. WSEAS transactions on information science and applications 2008 / 10, p. 1458-1469
<http://www.wseas.us/e-library/transactions/information/2008/28-344.pdf>

New developments of determinacy analysis

Kuusik, Rein, inform.; Lind, Grete Advanced Data Mining and Applications : 7th International Conference : ADMA 2011 : Beijing, China, December 17-19, 2011 2011 / p. 223-236 https://link.springer.com/chapter/10.1007/978-3-642-25856-5_17

New frequency pattern algorithm for data mining

Kuusik, Rein, inform.; Lind, Grete The 13th Turkish Symposium on Artificial Intelligence & Artificial Neural Networks : 10-11 June 2004, Izmir, Turkey 2004 / p. 47-54

New solution for extracting inductive learning rules and their post-analysis

Kuusik, Rein, inform.; Lind, Grete IMMM 2011 : The First International Conference on Advances in Information Mining and Management : Barcelona, Spain, October 23-28, 2011 2011 / p. 121-126
http://personales.upv.es/thinkmind/dl/conferences/immm/immm_2011/immm_2011_6_30_20160.pdf

Paperless management as a foundation for the application of e-governance in local governments = Digitaalne asjaajamine kui alus e-valitsemise rakendamisel kohalikes omavalitsustes

Pappel, Ingrid 2014 https://www.ester.ee/record=b4431564*est

Pattern discovery using seriation and matrix reordering : a unified view, extensions and an application to inventory management = Mustrite avastamine kasutades järjestamist ning maatriksi ümberkorramist: unifitseeritud vaade, edasiarendused ning rakendus ladude juhtimises

Liiv, Innar; Kuusik, Rein, inform. 2008 https://www.ester.ee/record=b2402187*est

Pattern mining as a clique extracting task

Kuusik, Rein, inform.; Lind, Grete; Võhandu, Leo Tenth international conference IPMU 2004, Information processing and management of uncertainty in knowledge-based systems : July 4-9, 2004, Perugia, Italy 2004 / p. 19-20 : ill <https://www.scitepress.org/Papers/2004/26229/26229.pdf>

Problem and algorithms for finding the best decision

Torim, Ants; Kuusik, Rein, inform. WSEAS transactions on information science and applications 2005 / 2, p. 1462-1469

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

Socio-cultural differences of e-learning in Estonia and Turkey [Electronic resource]

Güllü, Fatih; Kuusik, Rein, inform.; Laanpere, Mart; Faruk Sozcu, Omer ICER2015 : 8th International Conference of Education, Research and Innovation : Seville (Spain), 16-18 November 2015 : conference proceedings 2015 / p. 6325-6332 : ill. [CD-ROM]

Some algorithms for data table (re)ordering using monotone systems

Võhandu, Leo; Kuusik, Rein, inform.; Torim, Ants; Aab, Eik; Lind, Grete Proceedings of the 5th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases : Madrid, Spain, February 15-17, 2006 2006 / p. 417-422 https://www.researchgate.net/publication/251851216_Some_algorithms_for_data_table_reordering_using_Monotone_Systems

Some developments of determinacy analysis

Kuusik, Rein, inform.; Lind, Grete Advanced Data Mining and Applications : the 6th International Conference ADMA2010 : Chongqing, China, November 19-21, 2010 : proceedings. Part I 2010 / p. 593-602 https://link.springer.com/chapter/10.1007/978-3-642-17316-5_57

Some ideas for determinacy analysis realisation

Lind, Grete; Kuusik, Rein, inform. Proceedings of the 11th IASTED International Conference on Artificial Intelligence and Soft Computing : Palma de Mallorca (Spain), August 29-31, 2007 2007 / p. 185-190

Some monotone systems algorithms for data mining

Võhandu, Leo; Kuusik, Rein, inform.; Torim, Ants; Aab, Eik; Lind, Grete WSEAS transactions on information science and applications 2006 / 4, p. 802-809

Some practical algorithms to solve the maximum clique problem

Kumlander, Deniss 2005 https://www.ester.ee/record=b2097511*est

Some problems in determinacy analysis approaches development

Lind, Grete; Kuusik, Rein, inform. Proceedings of the 2008 International Conference on Data Mining (DMIN 2008) : Las Vegas, Nevada, USA, July 14-17, 2008. I 2008 / p. 102-108 https://link.springer.com/chapter/10.1007/978-3-642-17316-5_57

Tallinna Tehnikaülikooli informaatikainstituudist : [ajaloost, akadeemilisest koosseisust, õppekavadest, üliõpilastest, vastuvõtust]

Kuusik, Rein, inform. A & A 2004 / 1, lk. 5-8

The super-fast algorithm of hierarchical clustering and the theory of monotonic systems

Kuusik, Rein, inform. Tallinna Tehnikaülikooli Toimetised 1993 / lk. 37-62

Towards self-development of evolutionary information systems : an action research of business architecture development by students in socially networked groups

Roost, Mart; Taveter, Kuldar; Rava, Karin; Tepandi, Jaak; Piho, Gunnar; Kuusik, Rein, inform.; Õunapuu, Enn Advanced Information Systems Engineering Workshops : CAiSE 2013 International Workshops, Valencia, Spain, June 17-21, 2013 : proceedings 2013 / p. 1-15 https://doi.org/10.1007/978-3-642-38490-5_1 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Transactions of the Faculty of Economics

Amitan, Irina; Võhandu, Leo; Tepandi, Jaak; Trausan-Matu, S.; Parmakson, Priit; Henno, Jaak; Õunapuu, Enn; Kuusik, Rein, inform.; Võhandu, Priit; Regi, Kai; Lumberg, Tõnu; Elmik, Lea; Vapper, Tiit; Roost, Mart 1989 https://www.ester.ee/record=b1211387*est

Täienduskoolituskursuste ettevalmistamine Tallinna Tehnikaülikoolis

Kuusik, Rein, inform.; Säärekonno, Jüri Õppimine ja õpetamine avatud ülikoolis 2005 / lk. 233-237

Using EES Model-2 for comparison of e-learning activities of Estonian and Turkish biggest universities [Electronic resource]

Güllü, Fatih; Kuusik, Rein, inform.; Laanpere, Mart; Faruk Sozcu, Omer ICER2015 : 8th International Conference of Education, Research and Innovation : Seville (Spain), 16-18 November 2015 : conference proceedings 2015 / p. 6333-6342 : ill. [CD-ROM]

Why do students choose to study information and communications technology?

Kori, Külli; Pedaste, Margus; Niitsoo, Margus; **Kuusik, Rein, inform.;** Murtazin, Kristina; Paluoja, Rein Procedia - social and behavioral sciences 2015 / p. 2867-2872 <http://dx.doi.org/10.1016/j.sbspro.2015.04.249>

Väljundipõhise õppekava koostamise kogemused Tallinna Tehnikaülikoolis

Kuusik, Rein, inform.; Viikna, Anti; Valtin, Juhan Mente et Manu 2008 / 19. märts, lk. 2, 6 : fot
https://www.ester.ee/record=b1242496*est

Быстрые и параллельные методы когортного анализа

Võhandu, Leo; Amitan, Irina; Kuusik, Rein, inform. Всесоюзная конференция "Нечисловая статистика, экспертные оценки и смежные вопросы" : (II Всесоюзная конференция по статистическому и дискретному анализу нечисловой информации и экспертным оценкам) : (тезисы докладов) 1984 / с. 67-68 https://www.ester.ee/record=b1543617*est

Генератор гипотез для качественных признаков

Kuusik, Rein, inform. Обработка данных. Построение трансляторов. Вопросы программирования 1987 / с. 141-148

Интерактивные методы структуризации социально-экономических данных : автореферат ... кандидата экономических наук (08.00.13)

Kuusik, Rein, inform. 1989 https://www.ester.ee/record=b1225682*est

Интерактивные методы структуризации социально-экономических данных : специальность 08.00.13 : диссертация на соискание ученой степени кандидата экономических наук

Kuusik, Rein, inform. 1988 https://www.ester.ee/record=b4465777*est

Моделирование процесса обесфторивания

Rebane, Jüri; Aarna, Olav; Kuusik, Rein, inform. Тезисы докладов и сообщений научно-технического семинара "Обжиг и обесфторивание природных фосфатов" с 10 по 12 июня 1975 года 1975 / с. 12-14 https://www.ester.ee/record=b1314182*est

Поиск внутренне устойчивого множества на дереве

Paluoja, Rein; Kuusik, Rein, inform. Вопросы исследования графов, грамматик, функций 1976 / с. 11-22 : илл
https://www.ester.ee/record=b1433013*est <https://digikogu.taltech.ee/et/Item/ab9b20b3-9208-4a18-88a2-da1e0f43137f>

Труды экономического факультета

Amitan, Irina; Tepandi, Jaak; Jock, Viivi; Õunapuu, Enn; Võhandu, Leo; Krivenko, M.P.; Matskevits, I.V.; Võhandu, Priit; Joonsaar, Jüri; Noor, Jüri; Rohtla, Hanno; Lepp, Marge; Heinsoo, Marika; Mikli, Toomas; Elmik, Lea; Roost, Mart; Lumberg, Tiit; Rospel, Priit; Bernštein, Jelena; Vapper, Tiit; Laast-Laas, Jüri; Urvak, A.; Renzer, Aare; Jürgenson, Rein, inform.; **Kuusik, Rein, inform.;** Luczkowski, Teodor; Tõnismägi, Svetlana; Täht, Toomas; Tõnismägi, H.; Puusemp, Peeter 1987
https://www.ester.ee/record=b1538647*est