

Allveemaaailma avastamas

Ernits, Juhan-Peep Horisont 2008 / 5, lk. 34-36 : ill https://artiklid.elnet.ee/record=b2040764*est

An open tool integration environment for manufacturing control software development

Küttner, Rein; Ernits, Juhan-Peep; Vain, Jüri Machine engineering 2003 / 1/2, Manufacturing flexibility design and development, p. 23-32 : ill

Application of model checking in memory arbiter synthesis

Ernits, Juhan-Peep Ninth Estonian Winter School in Computer Science (EWSCS'04) : Lahemaa, Estonia, February 29-March 5, 2004 2004 / [1 p.]. (Student talks and posters 2004 (abstracts))

Automated fault diagnosis for an autonomous underwater vehicle

Dearden, Richard; **Ernits, Juhan-Peep** IEEE journal of oceanic engineering 2013 / p. 484-499 : ill

<https://doi.org/10.1109/JOE.2012.2227540> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Autonomous last mile shuttle ISEAUTO for education and research

Sell, Raivo; Leier, Mairo; Rassõlkin, Anton; Ernits, Juhan-Peep International journal of artificial intelligence and machine learning 2020 / p. 18-30 <https://doi.org/10.4018/IJAIML.2020010102>

Doktorandi toetus kasvab, mured jäävad : [arvamust Vabariigi Valitsuse 28. okt. istungil heakskiidetud "Teadus- ja arendustegevuse korralduse ja õppelaenu seaduse muutmise seaduse" eelnõu kohta avaldavad Jakob Kübarsepp, Juhan Ernits ja Kristjan Haller]

Mõttus, Anu; **Kübarsepp, Jakob; Ernits, Juhan-Peep**; Haller, Kristjan Õpetajate Leht 2004 / 12. nov., lk. 8

https://artiklid.elnet.ee/record=b1960758*est

Ehitame roboti ise

Ernits, Juhan-Peep Horisont 2007 / 2, lk. 48-49 : ill https://artiklid.elnet.ee/record=b2040390*est

Expanded underwater robotics ready for oil spill

Gilbert, Javier; Lopez-Castejon, F.; Rodríguez de Mesas, C.; **Ernits, Juhan-Peep; Vain, Jüri** Interspill 2018 - London :

[proceedings] 2018 / 2 p <http://interspill.org/previous-events/2018/> <http://interspill.org/previous-events/2018/14March2018/3-Situational-Awareness/Expanded-Underwater-Robotics-J-Gilbert-UPCT-Cartagena.pdf>

Expanded underwater robotics ready for oil spills (e-URready4OS)

Gilbert, Javier; Sousa, João; Vukic, Zoran; **Ernits, Juhan-Peep; Vain, Jüri** Marine technology reporter 2018 / p. 24-33

<https://magazines.marinelink.com/Magazines/MarineTechnology/201803/content/expanded-underwater-robotics-535546>

Generating tests from EFSM models using guided model checking and iterated search refinement

Ernits, Juhan-Peep; Kull, Andres; Raiend, Kullo; Vain, Jüri Formal Approach to Software Testing and Runtime Verification : First Combined International Workshops FATES 2006 and RV 2006 : Seattle, WA, USA, August 15-16, 2006 : revised selected papers 2006 / p. 85-99 https://link.springer.com/chapter/10.1007/11940197_6

Generating TTCN-3 test cases from EFSM models of reactive software using model checking

Ernits, Juhan-Peep; Kull, Andres; Raiend, Kullo; Vain, Jüri Informatik 2006 - Informatik für Menschen : proceedings : Beiträge der 36. Jahrestagung der Gesellschaft für Informatik e.V.(GI) : 2.bis 6.Oktober in Dresden 2006 / p. 241-248

<https://www.semanticscholar.org/paper/Generating-TTCN-3-Test-Cases-from-EFSM-Models-of-Ernits-Kull/b626c55f607826939345eec24e985adf268b15e5>

Memory arbiter synthesis and verification for a radar memory interface card

Ernits, Juhan-Peep Nordic journal of computing 2005 / 2, p. 68-88 <https://homes.cs.aau.dk/~kgl/AMETIST/Year3/ernits.pdf>

Miks korraldatakse maailmas hulgaliselt robotivõistlusi ja miks on vaja Eestil oma Robotexi?

Ernits, Juhan-Peep Horisont 2006 / 1, lk. 8-9 : fot https://artiklid.elnet.ee/record=b2039592*est

Model checking in pattern based control systems design

Vain, Jüri; Ernits, Juhan-Peep 15th Triennial World Congress of the International Federation of Automatic Control : Barcelona, Spain, 21th-26th July, 2002 : final program, book of abstracts 2002 / p. 112

<https://www.sciencedirect.com/science/article/pii/S1474667015393666>

Model checking in pattern based control systems design [Electronic resource]

Vain, Jüri; Ernits, Juhan-Peep Proceedings of the 15th IFAC World Congress : Barcelona, Spain, 2002 2002 / [6] p. : ill. [CD-ROM]

<https://www.sciencedirect.com/science/article/pii/S1474667015393666#cekeyws10>

Model-based integration testing of ROS packages : a mobile robot case study

Ernits, Juhan-Peep; Halling, Evelin; Kanter, Gert; Vain, Jüri 2015 European Conference on Mobile Robots : Lincoln, United Kingdom, September 2-4, 2015 : conference proceedings 2015 / [7] p. : ill <http://dx.doi.org/10.1109/ECMR.2015.7324210>

Model-based testing of a web-based positioning application

Roo, Rivo; **Ernits, Juhan-Peep** 20th Nordic Workshop on Programming Theory : NWPT 2008 : Tallinn, Estonia, 19-21 November 2008 : abstracts 2008 / p. 75-77 : ill https://link.springer.com/chapter/10.1007/978-3-642-05031-2_14

Model-based testing of robots with NMmodel

Ernits, Juhan-Peep; Veanes, Margus; Helander, Johannes TESTCOM/FATES 2008 : Tokyo, Japan, June 12-13, 2008 : short papers 2008 / p. 40-49 https://www.researchgate.net/publication/228824559_Model-Based_Testing_of_Robots_with_NMModel

Muudatuste tegemiseks on vaja tihedat suhtlemist

Nemvalts, Juuli TööstusEST 2024 / lk. 32-34 : portr., fot https://www.ester.ee/record=b4481084*est

Optimal scheduler synthesis using cost optimal reachability analysis

Ernits, Juhan-Peep Tenth Estonian Winter School in Computer Science (EWSCS'05) : Lahemaa, Estonia, February 27-March 4, 2005 2005 / [1 p.]. (Student talks and posters 2005 (abstracts))

RE#: High performance derivative-based regex matching with intersection, complement, and restricted lookarounds

Varatalu, Ian Erik; Veanes, Margus; Ernits, Juhan-Peep Proceedings of the ACM on Programming Languages 2024 / art. 1, 32 p <https://doi.org/10.1145/3704837>

Requirements-driven model-based testing of the IP Multimedia Subsystem

Ernits, Juhan-Peep; Kääramees, Marko; Raiend, Kullo; Kull, Andres 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. 203-206 : ill

Robot kui suhtluspartner

Ernits, Juhan-Peep Horisont 2007 / 5, lk. 46-47 : fot https://artiklid.elnet.ee/record=b2040587*est

Robotex 2006 : noorte inseneride mõõduvõtt

Ernits, Juhan-Peep Horisont 2007 / 1, lk. 50-51 : ill https://artiklid.elnet.ee/record=b2040565*est

Robotivõistlus Ameerika moodi : [USA Kaitseministeeriumi teadusagentuuri sponsoreeritud robotivõistlusest DARPA Grand Challenge 2007. a.]

Ernits, Juhan-Peep Horisont 2008 / 2, lk. 36-38 : ill https://artiklid.elnet.ee/record=b2041589*est

Self-driving car ISEAUTO for research and education

Sell, Raivo; Leier, Mairo; Rassõlkin, Anton; Ernits, Juhan-Peep Proceedings of the 2018 19th International Conference on Research and Education in Mechatronics : (REM 2018), Delft, The Netherlands, June 7-8, 2018 2018 / p. 111-116 : ill <https://doi.org/10.1109/REM.2018.8421793>

(Semi-)Automatic generation of Uppaal models for model checking embedded control systems

Ernits, Juhan-Peep; Vain, Jüri 14th Nordic Workshop on Programming Theory : NWPT 2002, Tallinn, Estonia, 20-22 November 2002 : abstracts 2002 / p. 45-46

Silmad kinni ja näpud püsti! Kellest saab doktorant? : [kavandatavaid seadusemuudatusi õppetoetuste ja õppelaenu osas kommenteerivad TTÜ kõnetehnoloogia doktorant Tanel Alumäe, infotehnoloogia doktorant Juhan-Peep Ernits ja Küberneetikainstituudi vanemteadur Ülle Kotta]

Lill, Anne; **Alumäe, Tanel; Ernits, Juhan-Peep; Kotta, Ülle** Linnaleht 2004 / 3. dets., lk. A 7

Solving line balancing problems with model checking

Vain, Jüri; Randvee, Ingmar; Riismaa, Tiit; Ernits, Juhan-Peep Proceedings of the Estonian Academy of Sciences. Engineering 2002 / 4, p. 211-222 : ill https://artiklid.elnet.ee/record=b1011298*est

State isomorphism in model programs with abstract data structures

Veanes, Margus; Ernits, Juhan-Peep; Campbell, Colin Formal Techniques for Networked and Distributed Systems - FORTE 2007 : 27th IFIP WG 6.1 International Conference : Tallinn, Estonia, June 27-29, 2007 : proceedings 2007 / p. 112-127 : ill

State isomorphism in model programs with abstract data structures

Veanes, Margus; Ernits, Juhan-Peep; Campbell, Colin Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuseum 2007 / lk. 43-46 : ill

Synthesis of test purpose directed reactive planning tester for nondeterministic systems

Vain, Jüri; Raiend, Kullo; Kull, Andres; Ernits, Juhan-Peep 22nd IEEE/ACM International Conference on Automated Software Engineering (ASE 2007) : November 5-9, 2007, Atlanta, Georgia, USA 2007 / p. 363-372 https://www.researchgate.net/publication/220883693_Synthesis_of_test_purpose_directed_reactive_planning_tester_for_nondeterministic_systems

Synthesis of test purpose directed reactive planning tester for nondeterministic systems (extended abstracts)

Vain, Jüri; Raiend, Kullo; Kull, Andres; Ernits, Juhan-Peep NWTP'07/FLACOS'07 Workshop Proceedings : Oslo, 10-12 October 2007 2007 / p. 55-57

TalTechi doktorant Ian Erik Varatalu löi maailmas ainulaadse tekstist otsimise mootori

geenius.ee 2025 <https://digi.geenius.ee/blogi/teadus-ja-tulevik/taltech-i-doktorant-ian-erik-varatalu-loi-maailmas-ainulaadse-tekstist-otsimise-mootori/>

TalTechi teadlaste loodud tehisintellektsüsteem muudab laokaupade liigutamise lihtsamaks, efektiivsemaks ja turvalisemaks

ari.geenius.ee 2023 [TalTechi teadlaste loodud tehisintellektsüsteem muudab laokaupade liigutamise lihtsamaks, efektiivsemaks ja turvalisemaks](https://digi.geenius.ee/blogi/teadus-ja-tulevik/taltech-i-teadlaste-loodud-tehisintellektsysteem-muudab-laokaupade-liigutamise-lihtsamaks-efektiivsemaks-ja-turvalisemaks)

Tehisintellekt jõuab ettevõtetesse teadustöö kaudu

Nemvalts, Juuli Eesti Tööstus 2025 / lk. 39-42 : fot https://www.ester.ee/record=b5283062*est

Tehisintellekt muudab teede hoolduse nutikamaks

Vaaks, Eveliis taltech.ee 2025 <https://trialoog.taltech.ee/tehisintellekt-muudab-teede-hoolduse-nutikamaks/>

Towards better specifications for software outsourcing

Lump, Peeter; Ernits, Juhan-Peep; Vain, Jüri Databases and Information Systems : proceedings of the 11th International Baltic Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 453-458 : ill

TTÜ aastal 2020 : töögrupi vahearuanne

Ernits, Juhan-Peep; Goi, Anna; Jervan, Gert; Leibak, Alar; Randma-Liiv, Tiina; Otto, Tauno; Rosin, Argo; Sarmiento Guerin, Maria Cecilia Mente et Manu 2009 / 16. veebr., lk. 4 : fot https://www.ester.ee/record=b1242496*est

20th Nordic Workshop on Programming Theory : NWPT 2008 : Tallinn, Estonia, 19-21 November 2008 : abstracts

Uustalu, Tarmo; Vain, Jüri; Ernits, Juhan-Peep 2008 https://www.ester.ee/record=b2435749*est

Two state space reduction techniques for explicit state model checking = Kaks olekuruumi kahandamise tehnikat olekute otseesitusega mudelikontrollis

Ernits, Juhan-Peep 2007 <https://digi.lib.ttu.ee/i/?162>

Utilising processor cache for speeding up reachability checks in model checking

Ernits, Juhan-Peep Eleventh Estonian Winter School in Computer Science (EWSCS'06) : Park Hotel Palmse, Lahemaa, Estonia : March 5-10, 2006 2006 / [1] p