

## **Allveemaaailma avastamas**

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

## **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/IJAAML.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

## **Ehitame roboti ise**

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

## **Expanded underwater robotics ready for oil spill**

Gilbert, Javier; Lopez-Castejon, F.; Rodriguez 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](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

## **Memory arbiter synthesis and verification for a radar memory interface card**

**Ernits, Juhan-Peep** Nordic journal of computing 2005 / 2, p. 68-88

## **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](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

## **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]

## **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

### **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

### **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))

### **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

### **Robot kui suhtluspartner**

**Ernits, Juhan-Peep** Horisont 2007 / 5, lk. 46-47 : fot [https://artiklid.elnet.ee/record=b2040587\\*est](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](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](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. detsember, 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](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 kunstimuuseum 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](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 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://ari.geenius.ee/2023/03/10/taltech-teadlaste-loodud-tehisintellektsusteem-muudab-laokaupade-liigutamise-lihtsamaks-efektiivsemaks-ja-turvalisemaks/)

### **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](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](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.tu.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