

Action-based learning system for teaching digital electronics and test

Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich Microelectronics education : proceedings of the 3rd European Workshop on Microelectronics Education : France, May 18AMP19, 2000 2000 / p. 107-110 : ill

Applets for learning digital design and test [Electronic resource]

Ubar, Raimund-Johannes; Jutman, Artur; Kruus, Margus; Wuttke, Heinz-Dietrich 1st International Conference on Interactive Mobile and Computer Aided Learning (IMCL2006) : Amman, Jordan, April 19-21, 2006 2006 / p. 1-4 : ill. [CD-ROM]

Assessment of student's design results in e-learning-scenarios [Electronic resource]

Wuttke, Heinz-Dietrich; **Ubar, Raimund-Johannes;** Henke, Karsten; **Jutman, Artur** 8th International Conference on Technology Based Higher Education and Training : 10th to 13th July, 2007, KKR Hotel Kumamoto, Kumamoto, Japan : [proceedings] 2007 / [6] p. [CD-ROM]

Asynchronous e-learning resources for hardware design issues

Jutman, Artur; Sudnitsõn, Aleksander; Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich Proceedings of the International Conference on Computer Systems and Technologies (e-learning) : CompSysTech'04 : Rousse, Bulgaria, 17-18 June 2004 / p. IV.11-1 - IV.11-6 : ill https://www.researchgate.net/publication/234797327_Asynchronous_e-learning_resources_for_hardware_design_issues

Automated design error localization in RTL designs

Jenihhin, Maksim; Tšepurov, Anton; Tihhomirov, Valentin; Raik, Jaan; Hantson, Hanno; Ubar, Raimund-Johannes; Bartsch, Günter; Meza Escobar, Jorge Hernan; Wuttke, Heinz-Dietrich IEEE design & test of computers 2014 / p. 83-92 : ill <https://doi.org/10.1109/MDAT.2013.2271420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

BIST analyzer : a training platform for SoC testing [Electronic resource]

Jutman, Artur; Tšertov, Anton; Tšepurov, Anton; Aleksejev, Igor; Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich 37th Annual Frontiers in Education Conference : Global Engineering : Knowledge Without Borders, Opportunities Without Passports : Milwaukee, Wisconsin, October 10-13, 2007 2007 / p. S3H-8-S3H-13 : ill. [CD-ROM] <http://dx.doi.org/10.1109/FIE.2007.4418125>

Bringing research issues into lab scenarios on the example of SoC testing [Electronic resource]

Ubar, Raimund-Johannes; Jutman, Artur; Devadze, Sergei; Wuttke, Heinz-Dietrich International Conference on Engineering Education - ICEE 2007 : September 3-7, 2007, Coimbra, Portugal 2007 / [7] p. : ill. [CD-ROM] <http://icee2007.dei.uc.pt/proceedings/papers/429.pdf>

Combining learning, training and research in laboratory course for design and test

Ubar, Raimund-Johannes; Orasson, Elmet; Raik, Jaan; Wuttke, Heinz-Dietrich The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 221-224 : ill https://www.researchgate.net/publication/242397131_Combining_Learning_Training_and_Research_in_Laboratory_Course_for_Design_and_Test

Diagnostic modeling of microprocessors with high-level decision diagrams

Ubar, Raimund-Johannes; Raik, Jaan; Jutman, Artur; Jenihhin, Maksim; Brik, Marina; Istenberg, Martin; Wuttke, Heinz-Dietrich 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. 147-150 : ill

DIAGNOZER : a laboratory tool for teaching research in diagnosis of electronic systems [Electronic resource]

Ubar, Raimund-Johannes; Kostin, Sergei; Jutman, Artur; Raik, Jaan; Wuttke, Heinz-Dietrich 2009 IEEE International Conference on Microelectronic Systems Education MSE '09 : 25-27 July 2009, San Francisco, California : [proceedings] 2009 / p. 12-15 : ill. [CD-ROM] <http://dx.doi.org/10.1109/MSE.2009.5270842>

E-learning environment for WEB-based study of testing

Ubar, Raimund-Johannes; Jutman, Artur; Raik, Jaan; Devadze, Sergei; Jenihhin, Maksim; Aleksejev, Igor; Tšepurov, Anton; Tšertov, Anton; Kostin, Sergei; Orasson, Elmet; Wuttke, Heinz-Dietrich Proceedings of the 8th European Workshop on Microelectronics Education : EWME 2010 : Darmstadt, Germany, 10-12 May 2010 2010 / p. 47-52 : ill

E-learning environment in the area of digital microelectronics

Jutman, Artur; Sudnitsõn, Aleksander; Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich ITHET 2004 : proceedings of the Fifth International Conference on Information Technology based Higher Education and Training : 31 May - 2 June, 2004, Istanbul, Turkey 2004 / p. 278-283 : ill

E-learning tools for teaching the design and validation of "Finite state machines"

Wuttke, Heinz-Dietrich; **Sudnitsõn, Aleksander;** Henke, Karsten E-learning II and the Knowledge Society with Section for PhD Students in Computing : Communication & Cognition : Ghent, Belgium 2006 / p. 327-341 : ill

Interactive teaching software "Introduction to digital test"

Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich; **Orasson, Elmet** 45. Internationales Wissenschaftliches Kolloquium, 04.-

Internet-based software for teaching test of digital circuits

Ubar, Raimund-Johannes; Orasson, Elmet; Wuttke, Heinz-Dietrich 23rd International Conference on Microelectronics : MIEL 2002, Niš, Yugoslavia, 12-15 May 2002 : proceedings. Volume 2 2002 / p. 659-662 : ill <https://ieeexplore.ieee.org/document/1003344>

Internet-based software for teaching test of digital circuits

Ubar, Raimund-Johannes; Jutman, Artur; Orasson, Elmet; Raik, Jaan; Evertson, Teet; Wuttke, Heinz-Dietrich Microelectronics education : proceedings of the 4th European Workshop on Microelectronics Education : EWME 2002, Spain, May 23-24, 2002 2002 / p. 317-320 : ill <https://ieeexplore.ieee.org/document/1003344>

Java applets support for an asynchronous-mode learning of digital design and test

Jutman, Artur; Sudnitsõn, Aleksander; Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich ITHET 2003 proceedings : 4th International Conference on Information Technology Based Higher Education and Training : July 7-9, 2003, Marrakech, Morocco 2003 / p. 397-401 : ill <https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=92f0b0e5011a2192d5a1b98baa751cb8cd2f7ff3>

Java technology based training system for teaching digital design and test

Devadze, Sergei; Jutman, Artur; Sudnitsõn, Aleksander; Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 283-286 : ill

Learning digital test and diagnostics via internet

Ubar, Raimund-Johannes; Jutman, Artur; Kruus, Margus; Orasson, Elmet; Devadze, Sergei; Wuttke, Heinz-Dietrich International journal of online engineering 2007 / 1, [9] p. : ill https://www.db-thueringen.de/servlets/MCRFileNodeServlet/dbt_derivate_00032681/iJOE_1681-1221_03_2007_1_361.pdf

Learning digital test and diagnostics via internet [Electronic resource]

Ubar, Raimund-Johannes; Jutman, Artur; Kruus, Margus; Orasson, Elmet; Devadze, Sergei; Wuttke, Heinz-Dietrich International journal of computing & information sciences 2006 / 2, p. 86-96 : ill

Modeling microprocessor faults on high-level decision diagrams [Electronic resource]

Ubar, Raimund-Johannes; Raik, Jaan; Jutman, Artur; Jenihhin, Maksim; Istenberg, Martin; Wuttke, Heinz-Dietrich DSN 2008 : supplemental : 2008 IEEE International Conference on Dependable Systems & Networks With FTCS & DCC (DSN) : June 24-27, 2008, Anchorage, Alaska 2008 / p. C17-C22 : ill. [CD-ROM] [https://webhost.laas.fr/TSF/WDSN08/2ndWDSN08\(LAAS\)_files/Slides/WDSN08S-04-Ubar.pdf](https://webhost.laas.fr/TSF/WDSN08/2ndWDSN08(LAAS)_files/Slides/WDSN08S-04-Ubar.pdf)

Overview of e-learning environment for web-based study of testing and diagnostics of digital systems

Jutman, Artur; Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich Microelectronics education : proceedings of the 5th European Workshop on Microelectronics Education, held in Lausanne, Switzerland, April 15-16, 2004 2004 / p. 253-258 : ill https://link.springer.com/chapter/10.1007/978-1-4020-2651-5_41

Overview of e-learning environment for web-based study of testing and diagnostics of digital systems

Jutman, Artur; Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich 5th European Workshop on Microelectronics Education - EWME 2004, Lausanne, 2004 2004 / p. 173-176 https://link.springer.com/chapter/10.1007/978-1-4020-2651-5_41

Remote and virtual laboratories in problem-based learning scenarios

Wuttke, Heinz-Dietrich; **Ubar, Raimund-Johannes;** Henke, Karsten 2010 IEEE International Symposium on Multimedia ISM 2010 : 13-15 December 2010, Taichung, Taiwan : proceedings 2010 / p. 377-382 : ill <http://dx.doi.org/10.1109/ISM.2010.63>

Research and training environment for digital design and test

Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich 34th ASEE/IEEE Frontiers in Education Conference : October 20-23, 2004, Savannah, GA 2004 / p. S3F-18-S3F-23 : ill <http://dx.doi.org/10.1109/FIE.2004.1408779>

Research and training environment for digital design and test

Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich Proceedings of the Eighth IASTED International Conference on Computers and Advanced Technology in Education : August 29-31, 2005, Oranjestad, Aruba 2005 / p. 232-237 : ill <https://ieeexplore.ieee.org/document/1408779>

Research and training scenarios for design and test of SOC [Electronic resource]

Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich WCETE 2004 : World Congress on Engineering and Technology Education : Engineering Education in the Changing Society : March 14-17, 2004, Guarujá/Santos, Brazil 2004 / p. 320-324 : ill. [CD-ROM]

Research environment for teaching digital test

Ivask, Eero; Jutman, Artur; Orasson, Elmet; Raik, Jaan; Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich Synergies between Information and Automation : 49. Internationales Wissenschaftliches Kolloquium, 27.-30.9.2004, Technische Universität Ilmenau, Germany. Volume 2 2004 / p. 468-473 : ill https://pld.ttu.ee/dildis/publications/IWK'2004_res_inv.pdf

A system for teaching basic and advanced topics of IEEE 1149.1 boundary scan standard (extended abstract)

Jutman, Artur; Rosin, Vjatšeslav; **Sudnitsõn, Aleksander**; **Ubar, Raimund-Johannes**; Wuttke, Heinz-Dietrich Proceedings of 16th EAAEIE Conference on Innovation in Education for Electrical and Information Engineering (EIE) : Lappeenranta, Finland, 6th-8th June 2005 2005 / [2] p. : ill

Teaching advanced test issues in digital electronics

Ubar, Raimund-Johannes; **Orasson, Elmet**; **Raik, Jaan**; Wuttke, Heinz-Dietrich Proceedings of the 6th IEEE International Conference on Information Technology Based Higher Education and Training : ITHET : July 7-9, 2005, Juan Dolio, Dominican Republic 2005 / p. S2B-1 - S2B-6 : ill <http://dx.doi.org/10.1109/ITHET.2005.1560318>

Teaching diagnostic modeling of digital systems with decision diagrams [Electronic resource]

Ubar, Raimund-Johannes; **Raik, Jaan**; **Mironov, Dmitri**; **Evartson, Teet**; **Orasson, Elmet**; **Aarna, Margit**; Wuttke, Heinz-Dietrich Proceedings of 12th IASTED International Conference on Computers and Advanced Technology in Education - CATE 2009 : St. Thomas, US, November 22-24, 2009 2009 / p. 1-6. [CD-ROM]

Teaching digital RT-level self-test using a Java applet

Devadze, Sergei; **Jutman, Artur**; **Sudnitsõn, Aleksander**; **Ubar, Raimund-Johannes**; Wuttke, Heinz-Dietrich 20th IEEE NORCHIP Conference : Copenhagen, Denmark, November 11-12, 2002 2002 / p. 322-328 : ill

Teaching digital test with BIST analyzer

Jutman, Artur; **Tšertov, Anton**; **Tšepurov, Anton**; **Aleksejev, Igor**; **Ubar, Raimund-Johannes**; Wuttke, Heinz-Dietrich 19th EAAEIE Annual Conference : June 29-July 2, 2008, Tallinn, Estonia : formal proceedings 2008 / p. 123-128 : ill
<http://dx.doi.org/10.1109/EAAEIE.2008.4610171>

Teaching research in the laboratory using diagnosis environment for digital systems

Kostin, Sergei; **Ubar, Raimund-Johannes**; **Raik, Jaan**; **Aarna, Margit**; **Brik, Marina**; Wuttke, Heinz-Dietrich 2009 EAAEIE annual conference : 20th Annual Conference of the European Association for Education in Electrical and Information Engineering : Valencia, Spain, June 22-24, 2009 2009 / p. 280-283 <https://ieeexplore.ieee.org/document/5335462>

The dildis-project-using applets for more demonstrative lectures in digital systems design and test

Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich FIE 2001 : 31st Annual Frontiers in Educations Conference : Impact on Engineering and Science Education : Reno, Nevada, October 10-13, 2001 : conference program 2001 / p. 83
<https://ieeexplore.ieee.org/document/963996>

The dildis-project-using applets for more demonstrative lectures in digital systems design and test

Ubar, Raimund-Johannes; Wuttke, Heinz-Dietrich Proceedings of the 31st ASEE/IEEE Frontiers in Educations Conference : FIE'2001 : Reno, Nevada 2001 / p. SIE-2-7 <https://ieeexplore.ieee.org/document/963996>

The synthesis level in Bloom's taxonomy - a nightmare for an LMS

Wuttke, Heinz-Dietrich; **Ubar, Raimund-Johannes**; Henke, Karsten; **Jutman, Artur** 19th EAAEIE Annual Conference : June 29-July 2, 2008, Tallinn, Estonia : formal proceedings 2008 / p. 199-204 : ill <http://dx.doi.org/10.1109/EAAEIE.2008.4610186>

Turbo tester - diagnostic package for research and training

Aarna, Margit; **Ivask, Eero**; **Jutman, Artur**; **Orasson, Elmet**; **Raik, Jaan**; **Ubar, Raimund-Johannes**; Vislogubov, Vladislav; Wuttke, Heinz-Dietrich Radioelectronics and informatics 2003 / p. 69-73 : ill

Web-based software package for e-learning and research training in digital system design

Jutman, Artur; **Kruus, Margus**; **Sudnitsõn, Aleksander**; **Ubar, Raimund-Johannes**; Wuttke, Heinz-Dietrich Информационные технологии в науке, образовании, телекоммуникации и бизнесе : Материалы XXXII Международной конференции IT+SE'2005 : Украина, Крым, Ялта-Гурзуф, 19-28 мая 2005 г 2005 / [2] p