

### **A benchmark suite for evaluating the efficiency of test tools**

**Kruus, Helena; Ubar, Raimund-Johannes; Ellervee, Peeter; Gorev, Maksim; Pesonen, Vadim; Devadze, Sergei; Orasson, Elmet; Brik, Marina; Min, Mart; Annus, Paul; Kruus, Margus; Meigas, Kalju** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 85-88 : ill

### **EEG analyzer prototype based on FPGA**

**Jenihhin, Maksim; Gorev, Maksim; Pesonen, Vadim; Mihhailov, Dmitri; Ellervee, Peeter; Hinrikus, Hiie; Bachmann, Maie; Lass, Jaanus** 7th International Symposium on Image and Signal Processing and Analysis (ISPA 2011) : September 4-6, 2011, Dubrovnik, Croatia : proceedings 2011 / p. 101-106 : ill <https://ieeexplore.ieee.org/document/6046588>

### **FPGA implementation of the polynomial curve fitting**

**Gorev, Maksim; Pesonen, Vadim** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK viienda aastakonverentsi artiklite kogumik : 25.-26. novembril 2011, Nelijärve 2011 / p. 121-124 : ill

### **FPGA-based implementation of EEG analyzer**

**Gorev, Maksim; Pesonen, Vadim; Mihhailov, Dmitri; Jenihhin, Maksim; Ellervee, Peeter** DATE'11 Friday Workshop on "Design Methods and Tools for FPGA-Based Acceleration of Scientific Computing" : Grenoble, France, March 2011 2011 / [1] p <https://www.microsoft.com/en-us/research/wp-content/uploads/2017/03/ellervee.pdf>

### **FPGA-based implementation of EEG analyzer for detection of depressive disorder**

**Gorev, Maksim; Pesonen, Vadim; Mihhailov, Dmitri** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.-27. novembril 2010, Essu mõis 2010 / lk. 69-72 : ill

### **FPGA-based implementation of EEG analyzer for detection of depressive disorder**

**Pesonen, Vadim; Gorev, Maksim; Mihhailov, Dmitri** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 67-70 : ill

### **Implementation of multisine signal generator for a bioimpedance measurement device**

**Gorev, Maksim; Pesonen, Vadim; Ellervee, Peeter** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 275-278 : ill

### **Introducing computer systems related topics in the first study semester**

**Gorev, Maksim; Pesonen, Vadim; Ellervee, Peeter** Proceedings of the 8th European Workshop on Microelectronics Education : EWME 2010 : Darmstadt, Germany, 10-12 May 2010 2010 / p. 185-188 : ill [https://www.researchgate.net/publication/228980104\\_Introducing\\_Computer\\_Systems\\_Related\\_Topics\\_in\\_the\\_First\\_Study\\_Semester](https://www.researchgate.net/publication/228980104_Introducing_Computer_Systems_Related_Topics_in_the_First_Study_Semester)

### **Learning-by-gaming in HW/SW codesign**

**Pesonen, Vadim; Gorev, Maksim; Tammemäe, Kalle** Proceedings of the 8th European Workshop on Microelectronics Education : EWME 2010 : Darmstadt, Germany, 10-12 May 2010 2010 / p. 89-93 : ill <https://www.slideserve.com/tekli/learning-by-gaming-in-hw-sw-codesign-powerpoint-ppt-presentation>

### **Multisine signal generation method for a bioimpedance measurement device**

**Gorev, Maksim; Pesonen, Vadim; Ellervee, Peeter** Proceedings of the 2012 IEEE 15th International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS) : April 18-20, 2012 Tallinn, Estonia 2012 / p. 111-114 : ill

### **Polynomial curve fitting by substitution**

**Gorev, Maksim; Pesonen, Vadim; Ellervee, Peeter** FPGAWorld'11 : the 8th Annual FPGAWorld Conference : Copenhagen, Stockholm, Munich, September 12-15, 2011 2011 / [4] p.: ill <https://dl.acm.org/doi/pdf/10.1145/2157871.2157872>

### **Reconfigurable data acquisition unit for bioimpedance measurements**

**Pesonen, Vadim; Gorev, Maksim; Annus, Paul; Min, Mart; Ellervee, Peeter** BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 257-260 : ill

### **Reprogrammable data acquisition unit to reduce aliasing effect in bioimpedance measurements**

**Pesonen, Vadim; Gorev, Maksim; Annus, Paul; Min, Mart; Ellervee, Peeter** The 7th Annual FPGA World Conference, Copenhagen, Denmark, 6 September 2010 2010 / [6] p.: ill [https://www.researchgate.net/publication/238346996\\_Reprogrammable\\_data\\_acquisition\\_unit\\_to\\_reduce\\_aliasing\\_effect\\_in\\_bioimpedance\\_measurements](https://www.researchgate.net/publication/238346996_Reprogrammable_data_acquisition_unit_to_reduce_aliasing_effect_in_bioimpedance_measurements)

### **Teaching embedded systems as a part of a computer engineering curricula**

**Jervan, Gert; Gorev, Maksim; Pesonen, Vadim** 23rd EAEEIE annual conference, Cagliari, Italy, February 26-27, 2012 2012 / p. 1-