

Advantages and limitations of an approach to bioimpedance data acquisition and processing relying on fast low bit rate ADCs

Bilinskis, Ivars; Sudars, K.; **Min, Mart; Annus, Paul** 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. 245-248 : ill

Analysis of switching properties of different high voltage IGBTs operating under hard-switching conditions

Blinov, Andrei; Jalakas, Tanel; Vinnikov, Dmitri; Laugis, Juhan 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. 323-326 : ill

Application of bidding automata for measuring the informativeness of hand motion characteristic features

Parm, Kenno; Nõmm, Sven; Vain, Jüri 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. 205-208 : ill

Arterial pulse waveform dependence on applied pressure

Pilt, Kristjan; Meigas, Kalju; Viigimaa, Margus; Kaik, Jüri; Kattai, Rain; Karai, Deniss 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. 277-280 : ill

Automated neural network model selection algorithm for feedback linearization based control

Vassiljeva, Kristina; Petlenkov, Eduard; Belikov, Juri 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. 235-238 : ill

Automatic asphalt pavement crack detection and classification using neural networks

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Chirp-based impedance spectroscopy pf piezo-sensors

Saar, Tõnis; Märten, Olev; Reidla, Marko; Ronk, Ants 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. 339-342 : ill

Comparative study of capacitor-assisted extended boost qZSIs operating in continuous conduction mode

Vinnikov, Dmitri; Roasto, Indrek; Jalakas, Tanel 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. 297-300 : ill

Comparison of individual SiC JBS chips and JBS stacks connected in series by diffusion welding

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Complementary multi guard ring JBS structures: numerical analysis

Koel, Ants; **Rang, Toomas; Rang, Galina** 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. 85-88 : ill

Defect-oriented BIST quality analysis

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Design concepts for a hybrid diesel electric shunting locomotive powertrain

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Design space exploration and optimisation for NoC-based timing sensitive systems

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Development of the model for the optical multiwavelength monitoring of creatinine in the spent dialysate

Tomson, Ruth; **Fridolin, Ivo; Uhlin, Nils Fredrik Arne**; Jerotskaja, Jana; Lauri, Kai; **Luman, Merike** 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. 261-264 : ill

Fabrication methods for microfluidic lab-on-chips

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Low power CMOS current source for shortened square wave signals

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Macro level defect-oriented diagnosability of digital circuits

Kostin, Sergei; Ubar, Raimund-Johannes; Raik, Jaan 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. 149-152 : ill

Medical and context data acquisition system for patient home monitoring

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Model-based synthesis of reactive planning on-line testers for non-deterministic embedded systems

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Model-driven development method of the virtual data warehouse

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Neural network based system for real-time organ recognition by analysis of sequence of endoscopic images received during surgical operation

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On-line monitoring of dialysis adequacy using diasens optical sensor: accurate Kt/V estimation by smoothing algorithms

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Optimization of FPGA-based circuits for recursive data sorting

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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

Register-transfer level deductive fault simulation using decision diagrams

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Short-time chirp excitations for using in wideband characterization of objects: an overview

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Simple DSP interface for impedance spectroscopy of piezo-sensors

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Smart sensing and Time of Arrival based location detection in Parking Management Services

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Soft-switching capability analysis of a qZSI-based DC/DC converter

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Timed automata based provably correct robot control

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Usage of microfluidic lab-on-chips in biomedicine

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Variable byte-length data compression algorithm

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