

Ab initio study of GaN properties using VASP software package

Klopov, Mihhail; Kuusk, Ahto; **Velmre, Enn;** **Udal, Andres** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 55-58 : ill

Analysis of the basic Schottky parameters for diffusion-welded aluminium contacts to p- and n-type SiC

Korolkov, Oleg; **Ljutov, Jevgeni;** Kuznetsova, Natalja; Ruut, Jana; **Rang, Toomas** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 51-53 : ill

Compact design of a power circuit for a dual-output voltage converter

Vinnikov, Dmitri; **Lehtla, Tõnu** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 333-336 : ill

Comparative analysis of sequential circuit test generation approaches

Raik, Jaan; Krivenko, Anna; **Ubar, Raimund-Johannes** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 225-228 : ill

Complex amplitude-phase manipulated probe signals

Müürsepp, Ivo BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 287-290 : ill

Control system for electric traction drive

Lehtla, Madis; **Laugis, Juhan** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 331-332 : ill

Development of control and diagnostics system for Tallinn trams

Rosin, Argo; **Pettai, Elmo;** **Lehtla, Tõnu** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 327-330 : ill

Diagnostic software with WEB interface for teaching purposes

Vislogubov, Vladislav; **Jutman, Artur;** **Kruus, Helena;** **Orasson, Elmet;** **Raik, Jaan;** **Ubar, Raimund-Johannes** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 255-258 : ill

Environment for fault simulation acceleration on FPGA

Ellervee, Peeter; **Raik, Jaan;** Tihhomirov, Valentin BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 217-220 : ill

Estonian energy sector today and its future development tasks

Liik, Olev BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 11-16 : ill

Evolutionary approach to the functional test generation for digital circuits

Skobtsov, Y.A.; Ivanov, D.E.; Skobtsov, V.Y.; **Ubar, Raimund-Johannes** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 229-232 : ill

Experiments in neural network inverse modelling based control for a class of nonlinear systems

Petlenkov, Eduard; **Rüstern, Ennu** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 145-148 : ill

Formal safety validation of mobile robot teleoperation

Vain, Jüri; Suzuki, Satoshi; **Kuusik, Alar** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 161-164 : ill

Generic membership function and its application to fuzzy modeling

Riid, Andri; **Isotamm, Raul;** **Rüstern, Ennu** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 129-132 : ill

Heart bioimpedance 3D FDM modelling with anisotropic tissue properties

Gordon, Rauno BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 175-178 : ill

Hybrid functional BIST for digital systems

Mazurova, Natalja; **Smahtina, Julia;** **Ubar, Raimund-Johannes** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 205-208 : ill

Improvement of switching lock-in signal conversion in bioimpedance analysers

Parve, Toomas; Land, Raul; Min, Mart; Poola, Gustav BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 179-182 : ill

Modeling of the PLL-based bioimpedance measurement system

Paavle, Toivo; Min, Mart BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 183-186 : ill

Multibeam sonar and sounding signals

Derkatš, Julia BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 265-268 : ill

Numerical study of turn-off phenomenon in complementary 4H-SiC JBS rectifiers

Rang, Toomas; Kurel, Raido; Higelin, G. BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 47-50 : ill

On using genetic algorithm for test generation

Brik, Marina; Raik, Jaan; Ubar, Raimund-Johannes; Ivask, Eero BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 233-236 : ill

One bio-medical multisine measurement task: solution principles

Ronk, Ants; Min, Mart BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 199-200 : ill

On-line identification and adaptive control of nonlinear systems using neural networks

Vassiljeva, Kristina; Rüstern, Ennu BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 149-152 : ill

Optimization of FSMs network by new encoding strategy

Fomina, Jelena; Sudnitsõn, Aleksander; Vasiliev, Roman BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 119-122 : ill

Preface

Rang, Toomas BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 3-4 https://www.ester.ee/record=b2150914*est

Renovation of 30 years old dragline drive system

Kuusk, Leho BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 323-324 : ill

Sensitivity of non-coherent frequency shift keying to harmonic interference

Meister, Ants; Martverk, Peep; Lossmann, Eerik BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 279-282 : ill

Sidescan sonar with high resolution

Gavrijaševa, Alina BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 269-272 : ill

SoC based mobile robot telecontrol system

Kuusik, Alar BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 153-154 : ill

A speed measurement method in the model drive with field-oriented control

Boiko, Vitali; Laugis, Juhan BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 337-338 : ill

Starting processes of experimental frequency controlled electrical drive

Jansikene, Raik; Liivik, Liisa BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 325-326 : ill

Study of radiative recombination influence in GaN and GaAs bipolar transistor structures

Velmre, Enn; Udal, Andres; Verbitski, Irina BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 59-62 : ill

VHDL front-end for high-level synthesis tool xTractor

Ivask, Eero; Ellervee, Peeter BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn,

