

**A set-up for investigation of post-ischaemic recovery of isolated animal heart based on dynamic measurement of pressure, flow, and electrical bioimpedance**

**Rätsep, Indrek; Kink, Andres; Taal, Günter; Parve, Toomas** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 367-370 : ill

**A statistical model for RF wireless channels**

**Raja, Aimur** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 323-324 : ill

**Automatic vessel identification system**

**Haavel, Rein; Tani, Harry** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 181-182 : ill

**Classical electrodynamics, charge distributions of currents and the metal transistor**

**Taniloo, Rainer** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 61-64 : ill

**Control and remote monitoring system of Aids to Navigation**

**Haavel, Rein; Heinla, Ü.; Käärmann, L.; Pikpoom, T.; Rebane, R.; Tani, Harry** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 207-210 : ill

**Defect-oriented test generation and fault simulation in the environment of MOSCITO**

**Schneider, Andre; Diener, Karl-Heinz; Gramatova, Elena; Fisherova, Maria; Ivask, Eero; Ubar, Raimund-Johannes; Pleskacz, Witold A.; Kuzmicz, W.** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 303-306 : ill

**Detection of modulation scheme in adaptive OFDM**

**Meister, Ants; Lossmann, Eerik; Martverk, Peep** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 319-322 : ill

**Development of auxiliary power supply for tram**

**Vinnikov, Dmitri; Lehtla, Madis** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 389-390 : ill

**Electrical bioimpedance measurement : methods and equivalent circuits**

**Gordon, Rauno; Parve, Toomas** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 363-366 : ill

**Exact static compaction of independent test sequences**

**Raik, Jaan; Jutman, Artur; Ubar, Raimund-Johannes** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 315-318 : ill

**Experimental water treatment systems control and monitoring via multipoint interface**

**Rosin, Argo; Lehtla, Tönu** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 397-400 : ill

**Formation and processing of the orthogonal sounding signals in multichannel sonars**

**Duhnik, Alina; Koževnikov, Valeri** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 191-194 : ill

**40 years of Electronics Department at Tallinn Technical University**

**Tamm, Uljas; Velmre, Enn** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 7-10

**Frequency pattern fitting in an extended block-adaptive Fourier analyser - I: indispensable restrictions**

**Ronk, Ants** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 153-156 : ill

**Frequency pattern fitting in an extended block-adaptive Fourier analyser - II: ordering of frequencies and fitting of them on disjoint sets of values**

**Ronk, Ants** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 217-220

**Frequency pattern fitting in an extended block-adaptive Fourier analyser - III: necessary detunings**

**Ronk, Ants** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p.

**Fuzzy hierarchical control of truck and trailer**

Riid, Andri; Rüstern, Ennu BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 141-144 : ill

**High-level synthesis and test in the MOSCITO-based virtual laboratory**

Schneider, Andre; Diener, Karl-Heinz; Jervan, Gert; Peng, Z.; Raik, Jaan; Ubar, Raimund-Johannes; Hollstein, Thomas; Glesner, M. BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 287-290 : ill

**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

**Modelling of Seebeck coefficient influenced by carrier phonon drag and mixed scattering**

Milatškov, Milko BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 57-60 : ill

**Phase-domain modeling of the PLL frequency synthesizers**

Paavle, Toivo BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 173-176 : ill

**Power analyse of a tram system with energy storage devices**

Joller, Jüri; Lehtla, Madis BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 395-396

**Preliminary investigation of diffusion welded contacts to p-type 6H-SiC**

Korolkov, Oleg; Rang, Toomas; Kuznetsova, Natalja; Ruut, Jana BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 55-56 : ill

**Pseudorandom sampling in a multi-frequency bioimpedance analyser**

Märtens, Olev; Min, Mart BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 253-256 : ill

**SC structures with low-threshold MOS switches**

Männama, Vello; Sabolotny, Rein BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 119-122 : ill

**Simulation of the control system of AC linear positioning drive**

Liivik, Liisa; Jansikene, Raik BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 77-78 : ill

**Sonar adaption to the measurement range**

Derkatš, Julia; Koževnikov, Valeri BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 195-198 : ill

**Starting of a diesel engine by help of ultracapacitors**

Boiko, Vitali; Vinnikov, Dmitri; Joller, Jüri BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 405-406 : ill

**The structure of FET-based negative differential resistance for microwave and neural network applications**

Taniloo, Rainer BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 73-76 : ill

**Transparency enhancement of first order Takagi-Sugeno systems: promoting of the competition between the rules by controlling the overlap of input fuzzy sets**

Riid, Andri; Isotamm, Raul; Rüstern, Ennu BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 137-140 : ill

**Two new unity power factor three-phase diode rectifiers with ripple power re-rectification and resonant filters**

Sakkos, Tiiu; Sarv, Vello BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 401-404 : ill

**Two-dimensional nonisothermal analysis of the current crowding effect at nonuniform SiC Schottky contacts using**

**device simulator DYNAMIT-2DT**

**Kurel, Raido; Udal, Andres** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 51-54 : ill

**Use of multichannel sonar A1-P0-PCI in bathymetric surveys**

Rüütel, Mart; Koževnikov, Valeri; Väling, Peeter BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 149-152 : ill

**Using weighted graphs for fast architecture exploration**

**Ellervee, Peeter; Klaar, Tarmo; Kruus, Margus; Tammemäe, Kalle** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 111-114 : ill

**Web-based tools for finite state machine decomposition with analysis of information flows**

**Fomina, Jelena; Keevallik, Andres; Kruus, Margus; Sudnitsõn, Aleksander** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 165-168 : ill