

**Adaptively under sampled, circular histogram based image processing for rotation invariant coin detection**

**Mölder, Ago; Märtens, Olev; Saar, Tõnis** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 137-140 : ill

**Analysis of battery charger topologies for an electric vehicle**

**Jalakas, Tanel; Roasto, Indrek; Vinnikov, Dmitri** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 223-226 : ill

**Analysis of forgetting in a learning environment**

**Kukk, Vello; Umbleja, Kadri** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 335-338 : ill

**Assessment of algorithms for detecting an arterial pulse pressure wave equiphase point**

**Temitski, Kristina; Lauri, J.; Pilt, Kristjan; Meigas, Kalju; Viigimaa, Margus** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 191-194 : ill

**Assessment of buck converter powered by current or voltage sources for LEDs luminary**

**Milaševski, Irena; Galkin, Ilja; Tetervenok, Oleg** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 239-242 : ill

**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

**Constraint-based test scenario description language**

**Vain, Jüri; Halling, Evelin** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 89-92 : ill

**A continuous output current measurement circuit for switching step down DC-DC regulator with a single sensing FET**

**Mihhailov, Juri; Strik, Sergei** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 65-68 : ill

**Cross-correlation-based image matching of coins**

**Gavrijaševa, Alina; Mölder, Ago; Märtens, Olev; Kyrkou, C.; Theocharides, T.** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 319-322 : ill

**Developing e-learning functionalities on electrical bioimpedance for the biomedical electronics course**

**Gordon, Rauno; Min, Mart; Parve, Toomas** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 327-330 : ill

**Development of constant-power source for arc welding**

**Šklovski, Jevgeni; Janson, Kuno** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 255-258 : ill

**Development of quantum cascade laser simulation software**

**Udal, Andres; Reeder, Reeno; Ikonic, Zoran; Harrison, Paul; Velmre, Enn** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 47-48 : ill

**Development of the model for the optical monitoring of urea in spent dialysate**

**Tomson, Ruth; Fridolin, Ivo; Uhlin, Nils Fredrik Arne; Holmar, Jana; Lauri, Kai; Luman, Merike** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 179-182 : ill

**Distance encoding waves for identification of lighting failures**

**Galkin, Ilja; Suzdalenko, Alexander; Armas, Jelena** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 227-230 : ill

**Experimental analysis of extended boost quasi-Z-source inverters**

**Ott, Silver; Jalakas, Tanel; Vinnikov, Dmitri; Roasto, Indrek** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 259-262 : ill

**Experimental analysis of the dynamic performance of Si, GaAs and SiC diodes**

**Blinov, Andrei; Vinnikov, Dmitri; Rang, Toomas** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 49-52 : ill

**Experimental study of surface distortions in silicon carbide caused by diffusion welding**

Mizsei, Janos; **Korolkov, Oleg; Sleptšuk, Natalja; Toompuu, Jana; Rang, Toomas** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 53-56 : ill

**FPGA control of the neutral point clamped quasi-Z-source inverter**

**Stepenko, Serhii; Husev, Oleksandr; Vinnikov, Dmitri;** Ivanets, Sergey BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 263-266 : ill

**HomeLabKits - implementation and usage**

**Jaanus, Martin; Kukk, Vello; Umbleja, Kadri; Gordon, Boris; Pikkov, Mihhail** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 331-334 : ill

**Identification of industrial water boiler for model predictive control of district heat plant**

Vansovitš, Vitali; **Petlenkov, Eduard; Vassiljeva, Kristina;** Guljajev, Aleksandr BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 315-318 : ill

**Implementation and real-time simulation of a fractional-order controller using a MATLAB based prototyping platform**

**Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 145-148 : 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

**A method of real-time mobile vehicle identification by means of acoustic noise analysis implemented on an embedded device**

**Astapov, Sergei; Preden, Jürjo-Sören; Suurjaak, Erki** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 283-286 : ill

**Multiple fault diagnosis with BDD based Boolean differential equations**

**Ubar, Raimund-Johannes; Raik, Jaan; Kostin, Sergei;** Kõusaar, Jaak BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 77-80 : ill

**Numerical simulations for reverse recovery process investigations of LPE GaAs power diodes**

**Koel, Ants; Rang, Toomas;** Voitovitš, Viktor; **Toompuu, Jana** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 39-42 : ill

**Physics related modeling of power LEDs**

Paisnik, Kristo; Poppe, Andras; **Rang, Toomas; Rang, Galina** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 57-60 : ill

**Profiling in deeply embedded systems**

**Moorits, Erkki; Jervan, Gert** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 127-230

**Retangular-wave chirps for broadband measurement : spectra and energy**

**Paavle, Toivo; Min, Mart** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 195-198 : ill