

**ADS-B in space : decoder implementation and first results from the GATOSS mission**

Knudsen, Bjarke Gosvig; Jensen, Morten; Christiansen, Johan; **Le Moullec, Yannick** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 57-60 : ill

**Alternatives of measurement of electrical bioimpedance of the body with the aim to determine the cardiac and respiratory activity**

**Metshein, Margus** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 197-200 : ill

**A battery cell balancing method with linear mode bypass current control**

Gallardo-Lozano, Javier; Romero-Cadaval, Enrique; **Jalakas, Tanel; Hõimoja, Hardi** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 245-248 : ill

**Bidirectional operation of the single-phase neutral-point-clamped quasi-Z-source inverter**

**Husev, Oleksandr; Zakis, Janis; Vinnikov, Dmitri**; Savenko, O. BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 221-224 : ill

**Closed-loop identification of fractional-order models using FOMCON toolbox for MATLAB**

**Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 213-216 : ill

**Coin recognition using line scan camera**

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**Comparison of two approaches to improve functional BIST fault coverage**

**Kostin, Sergei; Ubar, Raimund-Johannes; Gorev, Maksim; Mägi, Gunnar** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 105-108 : ill

**Control of quasi-Z-source dc-dc converter by the overlap of active states : new possibilities and limitations**

**Roasto, Indrek; Liivik, Liisa; Vinnikov, Dmitri** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 217-220 : ill

**Electrical bio-impedance based non-invasive method for the central aortic blood pressure waveform estimation**

**Krivošei, Andrei; Min, Mart; Uuetoa, Hasso; Lamp, Jürgen; Annus, Paul** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 181-184 : ill

**Electrochemical impedance spectroscopy analysis of immunoglobulin G in patients with gastric cancer**

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**Energy saving estimates for regenerative braking and downhill driving of battery electric vehicles**

**Vodovozov, Valery; Rassõlkin, Anton; Lillo, Nikolai; Raud, Zoja** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 237-240 : ill

**Extended checkers for logic-based distributed routing in network-on-chips**

**Niazmand, Behrad; Hariharan, Ranganathan; Govind, Vineeth; Jervan, Gert; Hollstein, Thomas; Raik, Jaan** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 77-80 : ill

**Extraction of the variable width laser line**

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**Image based counterfeit coin validation**

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**Industrial process monitoring by multi-channel acoustic signal analysis**

**Astapov, Sergei; Riid, Andri; Preden, Jürjo-Sören; Aruväli, Tanel** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 209-212 : ill

**Investigation of deep level centers in i- and n-layers of GaAs pin-diodes**

**Toompuu, Jana; Korolkov, Oleg; Sleptšuk, Natalja; Rang, Toomas** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 25-28 : ill

**Lean body mass assessment based on UV-absorbance in spent dialysate**

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**Low noise LDO architecture with consideration for low voltage operation**

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**Miniaturized wireless monitor for long-term monitoring of newborns**

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**Numerical aspects of the development of quantum cascade laser simulation software**

**Reeder, Reeno; Udal, Andres; Velme, Enn; Valavanis, Alexander** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 37-40 : ill

**Pipelined execution of data-parallel algorithms**

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**7-valued algebra for transition delay fault analysis**

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**Switched-capacitor current-fed quasi-Z-source inverter**

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**The method of quantum optical communication based on entangled photon pairs**

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**Time-domain manipulating of short-time chirps**

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**Towards context-sensitive dialogue with robot companion**

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**Varrak, Tea** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 5-6

**Virtual reality visualization for short fibre orientation analysis**

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