

**An overview about electronic baby monitors used in sleep medicine [Võrguteavik] : data acquisition methods and electronic sensing principles**

Kala, Raul; **Min, Mart** 2021 [https://www.esther.ee/record=b5406071\\*est](https://www.esther.ee/record=b5406071*est) <https://digikogu.taltech.ee/et/item/80428984-68a6-4f6c-94d1-f901b1248618>

**Arterial stiffness assessment for early diagnosis of atherosclerosis**

Pikta, Marika; Viigimaa, Margus; Pilt, Kristjan; Kööts, Kristina; Meigas, Kalju Cardiology 2015 / p. 32  
<https://www.karger.com/Article/Abstract/431110>

**Biopsy needle including bioimpedance probe with optimized sensitivity distribution**

Mäki, Sanna; Kari, Juho; Ahonen, Petri; Elomaa, Timo; **Annus, Paul**; Kronström, Kai The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

**Biopsy needle including bioimpedance probe with optimized sensitivity distribution**

Halonen, Sanna; Kari, Juho; Ahonen, Petri; Elomaa, Timo; **Annus, Paul**; Kronström, Kai International journal of bioelectromagnetism 2015 / p. 26-30 : ill

**Detection of the effect of weak stressors on human resting electroencephalographic signal = Nörkade stressorite mõju avastamine inimese puhkeoleku elektroentsefalograafilises signaalis**

Suhhova, Anna 2012

**A device for measuring the electrical bioimpedance with variety of electrode placements for monitoring the breathing and heart rate**

**Metshein, Margus** 2015 26th Irish Signals and Systems Conference (ISSC) : Institute of Technology Carlow, Ireland, June 24-25, 2015 2015 / [4] p. : ill <http://dx.doi.org/10.1109/ISSC.2015.7163748>

**Electrode placement configuration variations with the aim of monitoring the rate of breathing and pulse by the means of electrical bioimpedance**

**Metshein, Margus** Doctoral School in Information and Communication Technology : proceedings of doctoral session of BEC 2014 : October 6-8 2014, Laulasmaa 2014 / p. 7-10 : ill

**Electronically equipped beds used in sleep medicine : data aquistion methods and electronic sensing principles**

Kala, Raul 2016 [https://www.esther.ee/record=b4603613\\*est](https://www.esther.ee/record=b4603613*est)

**Energy efficient pulses for deep brain stimulation**

Gordon, Rauno; **Min, Mart; Land, Raul** International Workshop on Impedance Spectroscopy : IWS 2016 : September 26-28, 2016, Technische Universität Chemnitz, Germany : abstract book 2016 / p. 19-20 : ill

**Frequency-optimized rectangular pulses for deep brain stimulation**

Gordon, Rauno; **Min, Mart; Land, Raul** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

**Frequency-optimized rectangular pulses for deep brain stimulation**

Gordon, Rauno; **Min, Mart; Land, Raul** International journal of bioelectromagnetism 2015 / p. 13-19 : ill

**From bench to bedside**

Arezzo, Alberto; **Kruusmaa, Maarja; Mylonas, George** IEEE Transactions on Medical Robotics and Bionics 2022 / p. 297 - 299  
<https://doi.org/10.1109/TMRB.2022.3172013> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Füsioloogiliste signaalide süsteem sagedusadaptiivse südamestimulaatori tüürimiseks : magistritöö**

Lass, Jaanus 1996 [https://www.esther.ee/record=b2687125\\*est](https://www.esther.ee/record=b2687125*est)

**Informatsiooni magnetkanal inimkehas**

Strandberg, Marek Inseeneria 2015 / lk. 6 [https://artiklid.elnet.ee/record=b2741109\\*est](https://artiklid.elnet.ee/record=b2741109*est)

**Mathematical and physical modelling of dynamic electrical impedance = Dünaamilise impedantsi matemaatiline ja füüsikaline modelleerimine**

Giannoukos, Georgios 2016 <https://digi.lib.ttu.ee/i/?5654> [https://www.esther.ee/record=b4579206\\*est](https://www.esther.ee/record=b4579206*est)

**Methods, devices and results of arterial stiffness estimation**

Pilt, Kristjan Cardiology 2015 / p. 15 <https://www.karger.com/Article/Abstract/431110>

**Microheating solution for molecular diagnostics devices = Mikrosoojendamine molekulaardiagnostika seadistes**

Pardy, Tamas 2018 <https://digi.lib.ttu.ee/i/?9249>

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

**Leier, Mairo; Jervan, Gert** 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. 193-196 : ill

**Model based method for adaptive decomposition of the thoracic bio-impedance variations into cardiac and respiratory components = Mudelipõhine meetod torso bioimpedantsi muutuste adaptiivseks dekompositiooniks südameetegevuse ja hingamise komponentideks**

Krivošei, Andrei 2009 [https://www.ester.ee/record=b2508758\\*est](https://www.ester.ee/record=b2508758*est)

**Model-based analysis of secure and patient-dependent pacemaker monitoring system**

**Tsiopoulos, Leonidas; Kuusik, Alar; Vain, Jüri; Bahsi, Hayretdin** Body Area Networks. Smart IoT and Big Data for Intelligent Health : 15th EAI International Conference, BODYNETS 2020, Tallinn, Estonia, October 21, 2020 : proceedings 2020 / p. 77-91

[https://doi.org/10.1007/978-3-030-64991-3\\_6](https://doi.org/10.1007/978-3-030-64991-3_6) Journal metrics at scopus Article at Scopus

**A parametric framework for modelling of bioelectrical signals**

Muhammad, Yar 2016 <http://dx.doi.org/10.1007/978-981-287-969-1>

**A parametric framework for modelling of bioelectrical signals = Parameetriline raamistik bioelektriliste signaalide modelleerimiseks**

Muhammad, Yar 2015 [http://www.ester.ee/record=b4473232\\*est](http://www.ester.ee/record=b4473232*est)

**Photoplethysmographic signal processing using adaptive sum comb filter for pulse delay measurement**

Pilt, Kristjan; Meigas, Kalju; Ferenets, Rain; Kaik, Jüri Estonian journal of engineering 2010 / 1, p. 78-94 : ill

[https://artiklid.elnet.ee/record=b1964973\\*est](https://artiklid.elnet.ee/record=b1964973*est)

**Photoplethysmographic signal rising front analysis for the discrimination of subjects with increased arterial ageing**

Pilt, Kristjan; Meigas, Kalju; Kööts, Kristina; Viigimaa, Margus Proceedings of the Estonian Academy of Sciences 2014 / p. 221-226 : ill

**Realization and evaluation of the device for measuring the impedance of human body for detecting the respiratory and heart rate**

Metshein, Margus; Parve, Toomas; Annus, Paul; Rist, Marek; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2017 / p. 36-42 : ill <http://dx.doi.org/10.5755/01.eie.23.3.18330>

**Reliable health monitoring and fault management infrastructure based on embedded instrumentation and IEEE 1687**

Jutman, Artur; Shibin, Konstantin; Devadze, Sergei IEEE AUTOTESTCON 2016 : Anaheim, California, USA, September 12-15, 2016 : proceedings 2016 / p. 240-249 : ill <https://doi.org/10.1109/AUTEST.2016.7589605>

**Sleep apnea pre-screening on neonates and children with shoe integrated sensors [Electronic resource]**

Leier, Mairo; Jervan, Gert 31st Norchip Conference : Vilnius, Lithuania, 11-12 November 2013 : conference program and papers 2013 / [4] p. : ill [USB]

**Smart photoplethysmographic sensor for pulse wave registration at different vascular depths**

Leier, Mairo; Pilt, Kristjan; Karai, Deniss; Jervan, Gert Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 67-70 : ill

**Smart photoplethysmographic sensor for pulse wave registration at different vascular depths**

Leier, Mairo; Pilt, Kristjan; Karai, Deniss; Jervan, Gert Conference proceedings : 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : Milan, Italy, August 25-29 2015 2015 / p. 1849-1852 : ill  
<http://dx.doi.org/10.1109/EMBC.2015.7318741>

**The investigation of the Therac-25 accidents**

Zdanov, Vassili A & A 2007 / 6, lk. 20-32 : ill [https://artiklid.elnet.ee/record=b1021179\\*est](https://artiklid.elnet.ee/record=b1021179*est)

**Wearable data acquisition system of multimodal physiological signals for personal health care**

Annus, Paul; Samieipour, Ali; Rist, Marek; Ruiso, Indrek; Krivošei, Andrei; Land, Raul; Parve, Toomas; Min, Mart pHHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health : June 26-28, 2013, Tallinn, Estonia 2013 / p. 107-112 : ill

**Wearable solutions for monitoring cardiorespiratory activity = Kehal kantavad vahendid kardiorespiratoorse aktiivsuse jälgimiseks**

Metshein, Margus 2018 <https://digi.lib.ttu.ee/i/?9961>

**Wearable system for non-invasive and continuous monitoring central aortic pressure curve and augmentation index**

Krivošei, Andrei; Lamp, Jürgen; Min, Mart; Uuetoa, Tiina; Uuetoa, Hasso; Annus, Paul pHHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health : June 26-28, 2013, Tallinn, Estonia 2013 / p. 101-106 : ill

