

Comparative measurement of cardiac cycle by means of different sensors

Priidel, Eiko; Land, Raul; Sinivee, Veljo; Annus, Paul; Min, Mart 2017 Electronics : proceedings of the 21st International Conference : June 19th-21st, 2017, Palanga, Lithuania 2017 / [5] p. : ill <https://doi.org/10.1109/ELECTRONICS.2017.7995221>

Development of a bio-impedance signal simulator on the basis of the regression based model of the cardiac and respiratory impedance signals

Muhammad, Yar; Le Moullec, Yannick; Annus, Paul; Min, Mart 16th Nordic-Baltic Conference on Biomedical Engineering : 16. NBC & 10. MTD 2014 Joint Conferences, October 14-16, 2014, Gothenburg, Sweden 2015 / p. 92-95 : ill https://doi.org/10.1007/978-3-319-12967-9_25 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Development of a signal processing algorithm for automatic identification of the cardiac events in the seismocardiogram

Rahman, Mohammed Owahidur; Witter, Raiker; Samoson, Ago Cardiology 2015 / p. 44
<https://www.karger.com/Article/Abstract/431110>

A DSP-based multichannel EBI measurement device

Abdullayev, Anar; Rist, Marek; Krivošei, Andrei; Metshein, Margus; Land, Raul; Märtens, Olev 2024 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) : proceedings 2024
<https://doi.org/10.1109/I2MTC60896.2024.10560714> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Energy-efficiency of cardiomyocyte stimulation with rectangular pulses

Laasmaa, Martin; Lu, Pengfei; Velešić, Mladen; Louch, William Edward; Bergsland, Jacob; Balasingham, Ilango; Vendelin, Marko Scientific reports 2019 / art. 13307, p. 1-9 <https://doi.org/10.1038/s41598-019-49791-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Event-driven ECG classification using functional approximation and Chebyshev polynomials

Saeed, Maryam; Märtens, Olev; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry 2022 IEEE Biomedical Circuits and Systems Conference (BioCAS), 13-15 Oct. 2022 2022 / p. 595-599 <https://doi.org/10.1109/BioCAS54905.2022.9948612>

Impedance cardiography signal processing with Savitzky-Golay and frequency sampling kernels

Märtens, Olev; Metshein, Margus; Tamberg, Gert; Abdullayev, Anar 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 5 l. <https://doi.org/10.1109/BEC56180.2022.9935597>

Modelling of an inductive sensor of the Foucault cardiogram

Vedru, Jüri; Gordon, Rauno; Humal, Leo Henn; Trolla, Jaanus Estonian journal of engineering 2011 / 3, p. 252-270 : ill

Modelling of cardiac dynamics and intracardiac bioimpedance = Südame dünaamika ja südamesisese bioimpedantsi modelleerimine

Gordon, Rauno 2007 <https://digi.lib.ttu.ee/i/?147>

Multichannel bioimpedance spectroscopy : instrumentation methods and design principles = Paljukanaliline bioimpedantsspektroskoopia : mõõtemetodid ja disaini printsiibid

Annus, Paul 2009 http://www.ester.ee/record=b2557759*est

Non-standard electrode placement strategies for ECG signal acquisition

Metshein, Margus; Krivošei, Andrei; Abdullayev, Anar; Annus, Paul; Märtens, Olev Sensors 2022 / art. 9351
<https://doi.org/10.3390/s22239351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photoplethysmography as an alternative to impedance cardiography-based hemodynamic feature point detection

Metshein, Margus; Annus, Paul; Abdullayev, Anar; Krivošei, Andrei; Land, Raul; Märtens, Olev 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 5 p <https://doi.org/10.1109/BEC61458.2024.10737936> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Stroke volume assessment by impedance cardiography : comparative analysis with transthoracic echocardiography

Silluta, Sandra; Pilt, Kristjan; Bischler, Elja; Kõõts, Kristina; Meigas, Kalju; Viigimaa, Margus EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 398-401 https://doi.org/10.1007/978-981-10-5122-7_100