Automatic detection of real and imaginary parts of electrical impedance with single synchronous demodulation channel
Annus, Paul; **Priidel, Eiko**; **Land, Raul**; **Metshein, Margus**; **Krivošei, Andrei**; **Min, Mart**; **Ratassepp, Madis**; **Märtens, Olev** 8th European Medical and Biological Engineering Conference : Proceedings of the EMBEC 2020, November 29 - December 3, 2020 Portorož, Slovenia 2021 / p. 151-157 https://doi.org/10.1007/978-3-030-64610-3_18 Conference Proceedings at Scopus Article at Scopus

Correlation between electrical bioimpedance and pressure waveform in radial artery and in mechanical pulsating pipe system
Metshein, Margus; **Annus, Paul**; **Land, Raul**; **Rist, Marek**; **Min, Mart**; **Märtens, Olev** 2020 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2020), May 25-29, 2020, Dubrovnik, Croatia : proceedings 2020 https://doi.org/10.1109/I2MTC43012.2020.9128972

Decomposition of the EBI signal into components using two channel cross-compensating singular spectrum analysis
Krivošei, Andrei; **Min, Mart**; **Annus, Paul**; **Butsenko, Maksim** 2018 IEEE International Symposium on Medical Measurements and Applications (MeMeA 2018) : proceedings : Rome, Italy, June 11-13, 2018 2018 / 5 p. : ill

A DSP-based EBI, ECG and PPG measurement platform
Abdullayev, Anar; **Rist, Marek**; **Märtens, Olev**; **Metshein, Margus**; Larras, Benoit; Frappe, Antoine; Gautier, Antoine; **Min, Mart**; John, Deepu; Cardiff, Barry; **Krivosei, Andrei**; **Annus, Paul** IEEE transactions on instrumentation and measurement 2023 / art. 2007808, 8 p https://doi.org/10.1109/TIM.2023.3320771 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrode placement strategies for the measurement of radial artery bioimpedance : simulations and experiments
Pesti, Ksenija; **Metshein, Margus**; **Annus, Paul**; **Kõiv, Hip**; **Min, Mart** IEEE transactions on instrumentation and measurement 2021 / 10 p. : ill https://doi.org/10.1109/TIM.2020.3011784 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of two-electrode system configurations for forearm arteries bioimpedance measurement
Metshein, Margus; **Pesti, Ksenija**; Lapsa, Didzis; **Annus, Paul**; Janeliukstis, Rims; Elsts, A.; **Märtens, Olev** 2024 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) : proceedings 2024 / 6 p https://doi.org/10.1109/I2MTC60896.2024.10561178

Fiducial point estimation solution for impedance cardiography measurements
Märtens, Olev; **Metshein, Margus**; **Abdullayev, Anar**; Larras, Benoit; Frappe, Antoine; Gautier, Antoine; Saeed, Maryam; John, Deepu; Cardiff, Barry; Krivošei, Andrei; **Annus, Paul**; **Rist, Marek** 2022 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) 2022 / Code 180602 https://doi.org/10.1109/I2MTC48687.2022.9806596 Conference Proceedings at Scopus Article at Scopus Article at WOS

PLL-based extraction of the cardiac component from the bio-impedance signal
Märtens, Olev; **Min, Mart**; **Annus, Paul**; **Land, Raul**; **Krivošei, Andrei**; **Metshein, Margus** 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2018) : proceedings 2018 / 6 p. : ill https://doi.org/10.1109/I2MTC.2018.8409848

Sensor-location-specific joint acquisition of peripheral artery bioimpedance and photoplethysmogram for wearable applications
Metshein, Margus; **Abdullayev, Anar**; Gautier, Antoine; Larras, Benoit; Frappe, Antoine; Cardiff, Barry; **Annus, Paul**; **Land, Raul**; **Märtens, Olev** Sensors 2023 / art. 7111 https://doi.org/10.3390/s23167111 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Signal acquisition and algorithm design for bioimpedance-based heart rate estimation from the wrist
Lapsa, Didzis; **Metshein, Margus**; **Krivošei, Andrei**; Janeliukstis, Rims; **Märtens, Olev**; Elsts, Atis Applied sciences 2024 / art. 9632 https://doi.org/10.3390/app14219632 Journal proceedings at Scopus Article at Scopus Journal metrics at WOS Article at WOS