A method of initial search region reduction for acoustic localization in distributed systems
Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürgo-Sören** Proceedings of the 20th International Conference Mixed Design of Integrated Circuits and Systems : MIXDES 2013, Gdynia, Poland, June 20-22, 2013 2013 / p. 451-456 : ill

A practical approach to cognitive sonar performance modeling
Berdnikova, Julia Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.-27. novembril 2010, Essu mõis 2010 / lk. 83-87 : ill

A two-stage approach to 2D DOA estimation for a compact circular microphone array
Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürgo-Sören** 2015 4th International Conference on Informatics, Electronics & Vision (ICIEV) : [proceedings] 2015 / [6] p. : ill

A two-stage approach to 2D DOA estimation for a compact circular microphone array
Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürgo-Sören** 2015 4th International Conference on Informatics, Electronics & Vision (ICIEV) : [abstracts] 2015 / p. 74-75

Acoustic noise pattern detection and identification method in Doppler system
Berdnikova, Julia; **Ruuben, Toomas**; **Kozevnikov, V.**; **Astapov, Sergei** Elektronika ir elektrotechnika = Electronics and electrical engineering 2012 / p. 65-68 :ill https://eejournal.ktu.lt/index.php/elt/article/view/2632

Acoustic noise pattern detection and identification method in doppler system
Berdnikova, Julia; **Ruuben, Toomas**; **Kozevnikov, Valeri**; **Astapov, Sergei** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 13-16 : ill

Advanced forward-looking sonar and imagery data processing
Berdnikova, Julia; **Koževnikov, Valeri**; Zamarajev, J.; **Raja, Aimur** Elektronika ir elektrotechnika = Electronics and electrical engineering 2010 / 4, p. 55-58 : ill https://eejournal.ktu.lt/index.php/elt/article/view/9876

Advances in moving speaker acoustic localization for operation in distributed systems
Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürgo-Sören** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 9-12 : ill

Assessment of the proportion of anthropogenic underwater noise levels in passive acoustic monitoring
Mustonen, Mirko; **Klauson, Aleksander**; **Berdnikova, Julia**; **Tommingas, Mihkel** Proceedings of Meetings on Acoustics 2018 / art. 070003, 10 p.: ill http://doi.org/10.1121/2.0000939

Composite predictive speaker acoustic localization in distributed sensor networks
Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürgo-Sören** Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 15-18 : ill

Data post-processing algorithms for active forward-looking sonar system
Berdnikova, Julia Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK viienda aastakonverentsi artiklite kogumik : 25.-26. novembril 2011, Nelijärve 2011 / p. 79-82 : ill

Data post-processing algorithms for active forward-looking sonar system
Berdnikova, Julia; **Kozevnikov, V.**; **Ruuben, Toomas**; **Raja, Aimur** Elektronika ir elektrotechnika = Electronics and electrical engineering 2011 / p. 43-46 : ill

Gunshot acoustic component localization with distributed circular microphone arrays
Astapov, Sergei; **Ehala, Johannes**; **Berdnikova, Julia**; **Preden, Jürgo-Sören** DSP 2015 : 2015 IEEE International Conference on Digital Signal Processing (DSP) : 21-24 July 2015, Singapore 2015 / p. 1186-1190 : ill

Gunshot acoustic event identification and shooter localization in a WSN of asynchronous multichannel acoustic ground sensors
Astapov, Sergei; **Berdnikova, Julia**; **Ehala, Johannes**; **Kaugerand, Jaanus**; **Preden, Jürgo-Sören** Multidimensional systems and signal processing 2018 / p. 563-595 : ill https://doi.org/10.1007/s11045-017-0479-7 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimal waveform selection for software defined data acquisition system
Ruuben, Toomas; **Berdnikova, Julia**; **Müürsepp, Ivo**; **Madar, Urve** Proceedings of the Fourth European Conference on Antennas and Propagation : EuCAP 2010 : Barcelona, Spain, 12-16 April 2010 2010 / p. 3268-3272

Optimized acoustic localization with SRP-PHAT for monitoring in distributed sensor networks
Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürgo-Sören** International journal of electronics and telecommunications 2013 / p. 383-390 : ill

Predictive acoustic localization and speaker tracking for distributed sensor networks
Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürgo-Sören** 2014 13th International Conference on Control, Automation, Robotics & Vision (ICARCV 2014) : Marina Bay Sands, Singapore, 10-12th December 2014 2014 / p. 833-838 : ill

Probe signals with nonrectangular envelope
Müürsepp, Ivo; **Berdnikova, Julia**; **Ruuben, Toomas**; **Madar, Urve** Elektronika ir elektrotechnika = Electronics and Electrical Engineering 2010 / 5, p. 99-102 : ill

Resolution and Doppler tolerance of cognitive system waveforms
Berdnikova, Julia; **Ruuben, Toomas**; **Müürsepp, Ivo**; **Lossmann, Eerik** Elektronika ir elektrotechnika = Electronics and electrical engineering 2010 / 7, p. 101-104 : ill

Shooter localization by networked multichannel acoustic ground sensors
Astapov, Sergei; **Berdnikova, Julia**; **Ehala, Johannes**; **Preden, Jürgo-Sören** 2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA) : Kuala Lumpur, Malaysia, 19-21 October 2015 : [proceedings] 2015 / p. 332-337 : ill
http://dx.doi.org/10.1109/ICSIPA.2015.7412214

Shooter localization by networked multichannel acoustic ground sensors
Astapov, Sergei; **Berdnikova, Julia**; **Ehala, Johannes**; **Preden, Jürgo-Sören** IEEE ICSIPA 2015 : 2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA) : 19-21 October, 2015, Hotel Pullman Kuala Lumpur Bangsar : program book 2015 / p. 46

Simplified acoustic localization by linear arrays for wireless sensor networks
Astapov, Sergei; **Preden, Jürgo-Sören**; **Berdnikova, Julia** 2013 18th International Conference on Digital Signal Processing (DSP) : 1-3 July 2013, Nomikos Conference Centre, Santorini, Greece 2013 / [6] p. : ill

SNR estimation in HF communications channel
Ruuben, Toomas; **Meister, Mari-Anne**; **Lossmann, Eerik**; **Berdnikova, Julia**; **Madar, Urve** 6th European Conference on Antennas and Propagation (EUCAP) 2012 / p. 2013-2015 : ill https://ieeexplore.ieee.org/document/6205874

Software defined short-range naval surveillance radar
Taklaja, Andres; **Madar, Urve**; **Müürsepp, Ivo**; **Ruuben, Toomas**; **Berdnikova, Julia** Software Defined Radar : proceedings of the NATO Research & Technology Organisation (RTO) : SET-136 Specialist Meeting on "Software Defined Radar" : Lisbon (Portugal), June 23-25, 2009 2009 / ? p