

**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 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

**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

**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](#)

**Optimized acoustic localization with SRP-PHAT for monitoring in distributed sensor networks**

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