

A solution to perceptual aliasing through probabilistic fuzzy logic and SIFT

Qamar, Syeda Madiha; Iqbal, Khawaja Fahad; **Muhammad, Naveed** 2013 IEEE/ASME International Conference on Advanced Intelligent Mechatronics : Mechatronics for Human Wellbeing : July 9-12, 2013, Wollongong, Australia 2013 / p. 1393-1398 : ill

Accurate energy-efficient localization hybrid models for distributed IoT sensing

Jabberi, Maher; **Sellami, Bassem**; Hakiri, Akram; Alimi, Mohamed Adel 2024 IEEE/ACS 21st International Conference on Computer Systems and Applications (AICCSA) : proceedings : Sousse, TN, 22 October-26 October 2024 (2024) 2024

<https://doi.org/10.1109/AICCSA63423.2024.10912590> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Advances in moving speaker acoustic localization for operation in distributed systems

Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürjo-Sören** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 9-12 : ill

Collective acoustic localization in a network of dual channel low power devices

Astapov, Sergei; **Ehala, Johannes**; **Preden, Jürjo-Sören** Proceedings of the 21st International Conference Mixed Design of Integrated Circuits and Systems : MIXDES 2014 : Lublin, Poland, June 19-21, 2014 2014 / p. 430-435 : ill

Combining multiple sound sources localization hybrid algorithm and fuzzy rule based classification for real-time speaker tracking application

Ibala, Christian; **Astapov, Sergei**; **Riid, Andri** International journal of microelectronics and computer science 2013 / p. 12-25 : ill

https://www.researchgate.net/publication/261467057_Combining_Multiple_Sound_Sources_Localization_Hybrid_Algorithm_and_Fuzzy_Rule_Based_Classification_for_Real-time_Speaker_Tracking_Application

Composite predictive speaker acoustic localization in distributed sensor networks

Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürjo-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

Fiducial marker-based monocular localization for autonomous docking

Pivonka, Tomas; **Sell, Raivo**; **Pikner, Heiko**; **Preucil, Libor** IFAC-PapersOnLine 2023 / p. 2957-2962

<https://doi.org/10.1016/j.ifacol.2023.10.1419> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

How to unite local initiatives for a more sustainable global future

Kostakis, Vasileios; **Tsiouris, Nikiforos** Sustainable futures 2024 / art. 100187 <https://doi.org/10.1016/j.sfr.2024.100187> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Living environment as location decision factor for manufacturing enterprises

Kilvits, Kaarel China-USA business review 2012 / p. 217-224

<https://www.davidpublisher.com/Public/uploads/Contribute/5514f812ed025.pdf>

Localization of neuron specific enolase epitopes

Kasesalu, J.; Nikopensius, T. Biobalt'92 : Biotechnology in Estonia, Latvia and Lithuania : Tallinn, November 1992 : conference abstracts 1992 / p. 50

A method of initial search region reduction for acoustic localization in distributed systems

Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürjo-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

Mobile object localization by means of acoustic sensor arrays

Astapov, Sergei Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 9-12 : ill

Object detection for military surveillance using distributed multimodal smart sensors

Astapov, Sergei; **Preden, Jürjo-Sören**; **Ehala, Johannes**; **Riid, Andri** 2014 19th International Conference on Digital Signal Processing 2014 / p. 366-371 : ill

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

Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürjo-Sören** International journal of electronics and telecommunications 2013 / p. 383-390 : ill <https://doi.org/10.2478/eletel-2013-0047> [Journal metrics at Scopus](#) [Article at Scopus](#)

Performing acoustic localization in a network of embedded smart sensors

Astapov, Sergei; **Ehala, Johannes**; **Preden, Jürjo-Sören** International journal of microelectronics and computer science 2015 / p. 86-95 : ill

Predictive acoustic localization and speaker tracking for distributed sensor networks

Astapov, Sergei; **Berdnikova, Julia**; **Preden, Jürjo-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

Simplified acoustic localization by linear arrays for wireless sensor networks

Astapov, Sergei; Preden, Jürjo-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

Sound localization and processing for inducing synesthetic experiences in virtual reality

Tepljakov, Aleksei; Astapov, Sergei; Petlenkov, Eduard; Vassiljeva, Kristina; Draheim, Dirk BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 159-162 : ill http://www.eester.ee/record=b2150914*est

Surface vessel localization from wake measurements using an array of pressure sensors in the littoral zone

Rätsep, Margus; Parnell, Kevin Ellis; Soomere, Tarmo; Kruusmaa, Maarja; Ristolainen, Asko; Tuhtan, Jeffrey Andrew Ocean engineering 2021 / art. 109156 <https://doi.org/10.1016/j.oceaneng.2021.109156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Underwater map-based localization using flow features

Muhammad, Naveed; Toming, Gert; Tuhtan, Jeffrey A.; Musall, Mark; **Kruusmaa, Maarja** Autonomous robots 2017 / p. 417-436 : ill <https://doi.org/10.1007/s10514-016-9558-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)