

- sources using a marine vehicle,” MDPI Sensors, vol. 18, issue 9, pp. 1-14, Sep. 2018.
- [6] J. F. Valente and J. C. Alves, "Real-time TDOA measurements of an underwater acoustic source," MTS/IEEE OCEANS 2016 - Monterey, pp. 1-7, Sep. 2016.
- [7] S. Yoshizawa, "Underwater acoustic localization based on IR-GCC-PHAT in reverberant environments," International Journal of Circuits, Systems and Signal Processing, vol. 15, pp.164-171, Mar. 2021.
- [8] S. Yoshizawa, "Impulse response shortening in TDOA algorithm for underwater acoustic localization," International Journal of Circuits, Systems and Signal Processing, vol. 15, pp.1624-1631, Nov. 2021.
- [9] T. Zhang, J. Wang, L. Zhang, and L. Guo, "A student's T-based measurement uncertainty filter for SINS/USBL tightly integration navigation system," IEEE Transactions on Vehicular Technology, vol. 70, no. 9, pp.8627-8638, Sep. 2021.
- [10] M. Morgado, P. Oliveira, and C. Silvestre, "Experimental evaluation of a USBL underwater positioning system," IEEE ELMAR-2010, pp. 485-488, Sep. 2010.
- [11] L. Zhang, T. Zhang, H. -S. Shin and X. Xu, "Efficient underwater acoustical localization method based on time difference and bearing measurements," IEEE Transactions on Instrumentation and Measurement, vol. 70, pp.1-16, Dec. 2020.
- [12] S. Rahman, N. Karapetyan, A. Q. Li, and I. Rekleitis, "A modular sensor suite for underwater reconstruction," MTS/IEEE OCEANS 2018 - Charleston, pp.1-6, Oct. 2018.
- [13] Y. Watanabe, Y. Ota, S. Ishibashi, T. Shimura, M. Sugawara, and K. Tanaka, "An ocean experiment of inverse SSBL acoustic positioning using underwater vehicle OTOHIME," MTS/IEEE OCEANS 2016 - Monterey 2016, pp. 1-5, Dec. 2016.
- [14] T. Zheng, F. Zhou, and W. Zheng, "Pulse position modulation spread spectrum underwater acoustic communication system using N-H sequence," IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC), pp. 1-4, Nov. 2016.
- [15] K. G. Kebkal, O. G. Kebkal, I. Glushko, V. Kebkal et.al, "Underwater acoustic modems with integrated atomic clocks for one-way travel-time underwater vehicle positioning," 4th Underwater Acoustics Conference and Exhibition, pp. 315-323, Sep. 2017.
- [16] D. R. Campbell, K. J. Palomaki, and G. J. Brown, "Roomsim, a MATLAB simulation of shoebox room acoustics for use in teaching and research," Computing and Information Systems Journal, vol. 9, issue 3, pp. 1-4, Oct. 2005.

Creative Commons Attribution License 4.0 (Attribution 4.0 International, CC BY 4.0)

This article is published under the terms of the Creative Commons Attribution License 4.0

https://creativecommons.org/licenses/by/4.0/deed.en_US