

Aleksey Shestov**List of Publications****Papers in Journals**

1. Shestov, A.S. and Marchenko, A.V., 2014. Thermodynamic consolidation of ice ridge keels in water with varying freezing point. submitted to CRST.
2. Shestov, A.S. and Marchenko, A.V., 2014. Thermodynamic consolidation of ice ridge keels in water with varying freezing point. Laboratory experiment and computer simulation. submitted to CRST.
3. Ogorodov, S.A., Shestov, A.S., Arkhipov, V.V., Baranskaya, A.V., Vergun, A.P., Kokin, O.V., Marchenko, A.V. and Tsvetsinsky, A.S., 2013. Modern Ice-Scouring relief at the shelf of western part of the Yamal Peninsula: Field Investigations and Modelling. Vestmik NSU. Series: mathematics, mechanics, computer science, 13(3): 78-90.
4. Shestov, A.S., Marchenko, A.V. and Ogorodov, S.A., 2011. Mathematical simulation of ice-induced effects on the bed of Baidaratskaya bay in the Kara Sea. Transactions of the Krylov Shipbuilding Research Institute, 63(5): 105-118.
5. Shestov, A.S. and Marchenko, A.V., 2011. Thermodynamic consolidation of ice ridge keels in water at freezing temperature variations. Transactions of the Krylov Shipbuilding Research Institute, 63(5): 119-130.
6. Karulin, E.B., Karulina, M.M., Shestov, A.S. and Marchenko, A.V., 2011. Investigation of ice bending strength in the Western Spitsbergen fiords. Transactions of the Krylov Shipbuilding Research Institute, 63(5): 131-142.
7. Morozov, E.G., Muzylev, S.V., Shestov, A.S. and Marchenko, A.V., 2011. Short-Period Internal Waves under an Ice Cover in Van Mijen Fjord, Svalbard. Advances in Meteorology, 2011: 6.
8. Marchenko, A.V., Morozov, E.G., Muzylev, S.V. and Shestov, A.S., 2010. Interaction of Short Internal Waves with the Ice Cover in an Arctic Fjord. Oceanology, 50(1): 18-27.

Doctoral and Master Theses

9. Shestov, A., 2013. The Role of the Thermodynamic Consolidation of Ice Ridge Keels in the Seabed Gouging Process. Doctoral Thesis Thesis, Norwegian University of Science and Technology, The University Centre in Svalbard, Trondheim, Norway, 200 pp.
10. Shestov, A.S., 2008. Physical and Mechanical Properties of Fast Ice Depending on under Ice Currents Properties. in Applied Physics and Mathematics Thesis, Moscow Institute of Physics and Technology, MIPT, Moscow, Russia, 45 pp.

Papers in Proceedings of Conferences

11. Shestov, A.S. and Marchenko, A.V., 2014. Properties of Ice Ridge Keels and Sea Currents in their Vicinity in the Barents Sea, Proceedings of 22st IAHR International Symposium on ICE 2014 (IAHR-ICE 2014), Singapore.
12. Shestov, A. and Marchenko, A., 2013. Thermodynamic Consolidation of Ice Rubble in Water at Varying Freezing Point. Experiment. In: A. Polojärvi and J. Tuhkuri (Editors), The 22nd International Conference on Port and Ocean Engineering under Arctic Conditions, Espoo, Finland.

13. Shestov, A.S., Høyland, K.V. and Ekeberg, O.-C., 2012. Morphology and Physical Properties of Old Sea Ice in the Fram Strait 2006-2011. In: Li and Lu (Editors), Proceedings of 21st IAHR International Symposium on Ice "Ice Research for a Sustainable Environment". Dalian University of Technology Press, Dalian, China, pp. 493-504.
14. Shestov, A.S., 2011. Morphology and Physical Properties of Old Sea Ice in the Fram Strait, Proceedings of 21th International Conference on Port and Ocean under Arctic Conditions (POAC) Montreal, Canada.
15. Marchenko, A., Shestov, A., Sigitov, A. and Løset, S., 2011. Water-Ice Actions on the Coal Quay at Kapp Amsterdam in Svalbard, Proceedings of 21th International Conference on Port and Ocean under Arctic Conditions (POAC) Montreal, Canada.
16. Marchenko, A., Shestov, A., Karulin, E., Morozov, E., Karulina, M., Bogorodsky, P., Muzylev, S., Onishchenko, D. and Makshtas, A., 2011. Field Studies of Sea Water and Ice Properties in Svalbard Fjords, Proceedings of 21th International Conference on Port and Ocean under Arctic Conditions (POAC) Montreal, Canada.
17. Shestov, A.S., Marchenko, A.V. and Ogorodov, S.A., 2010. Thermodynamic Consolidation of Ice Ridges Keels in the Water at the Varying Freezing Point, Proceedings of The 20th IAHR International Symposium On Ice, Lahti, Finland.
18. Eik, K., Ulrich, C., Shestov, A. and Marchenko, A., 2010. Model Tests of Iceberg Towing, Proceedings of the HYDRALAB III Joint User Meeting, Hannover, Germany.
19. Marchenko, A.V., Ogorodov, S.A., Tsvetsinsky, S.A. and Shestov, A.S., 2009. Dangerous ice phenomena on the shelf of the Barents and Kara Seas, Труды RAO/CIS Offshore. Химиздат Санкт-Петербург, pp. 91-96.
20. Shestov, A.S. and Marchenko, A.V., 2009. Thermodynamic Evolution of Ice Ridges under Weather Conditions in the Baydaratskaya Bay, Proceedings of 20th International Conference on Port and Ocean under Arctic Conditions (POAC) Lulea, Sweden.
21. Marchenko, A., Langen, I. and Shestov, A., 2009. Hydrological Characteristics of a Narrow and Shallow Part of Van Mijen Fjord on Spitsbergen, Proceedings of the International Offshore & Polar Engineering Conference, Osaka, Japan, pp. 649-657.
22. Marchenko, A.V., Langen, I. and Shestov, A.S., 2008. Hydrological Characteristics of the Straight Separating Braganzavagen from Sveabukta in Van Mijen Fjord. In: Ø.A. Arntsen (Editor), The International Workshop on Coastal Technology, Coast 2008. Department of Civil and Transport Engineering, Faculty of Engineering Science and Technology, Norwegian University of Science and Technology, Trondheim, Norway, pp. 247-256.
23. Ogorodov, S.A., Marchenko, A.V., Tsvetsinsky, A.S., Shestov, A.S. and Arkhipov, V.V., 2008. Impact of Ice Formation on the bottom of the Baydaratskaya Bay of the Kara Sea: Field Investigations and Mathematical Modelling. Transactions of SOI, Obninsk, 152-177.
24. Marchenko, A.V., Ogorodov, S.A., Shestov, A.S. and Tsvetsinsky, A.S., 2007. Ice Gouging in Baydaratskaya Bay of the Kara Sea: Field Studies and Numerical Simulations. In: Y. Qianjin (Editor), Proceedings of 19th International Conference on Port and Ocean under Arctic Conditions (POAC) "Recent Development of Offshore Engineering in Cold Regions". Dalian University of Technology Press, Dalian, China, pp. 747-759.
25. Shestov, A.S. and Marchenko, A.V., 2007. Ice gouging in Baydaratskaya Bay of the Kara Sea: field studies and numerical simulations, Труды RAO/CIS Offshore.