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EDUCATION

PhD	University of Delaware (<i>Climatology</i>)	2010
MS	Moscow State University (<i>Geography</i>)	2005
BS	Moscow State University (<i>Geography</i>)	2003

PROFESSIONAL EXPERIENCE

Associate Professor	The George Washington University, Department of Geography	2018 - Present
Assistant Professor	The George Washington University, Department of Geography	2013 - 2018
Research Scientist	The George Washington University, Department of Geography	2011 - 2013
Post-doctoral scientist	The George Washington University, Department of Geography	2010 - 2011
Graduate Research Assistant	University of Delaware, Department of Geography	2005-2010

TEACHING EXPERIENCE

GEOG6260: Climatic Change	2016-2022
GEOG6265: Geography of Russia and its Neighbors	2014-2022
GEOG6305: Geospatial Statistics	2014
GEOG3218: Arctic Systems	2019
GEOG3128: Geomorphology and Natural Hazards	2013-2022
GEOG2105: Techniques of Spatial Analysis	2011-2016
GEOG1002: Introduction to Physical Geography	2016-2018

- Streletskiy D**, Suter L., Shiklomanov N., Porfiriev B. Eliseev D. 2019. Assessment of Climate Change Impacts on Buildings, Structures and Infrastructure in the Russian Regions on Permafrost. *Environmental Research Letters* 14, 025003, DOI: 10.1088/1748-9326/aaf5e6
- Biskaborn, B.K., Smith, S.L., Noetzli, J., Matthes, H., Vieira, G., **Streletskiy, D.A.**, Schoeneich, P., Romanovsky, V.E., Lewkowicz, A.G., Abramov, A., Allard, M., Boike, J., Cable, W.L., Christiansen, H.H., Delaloye, R., Diekmann, B., Drozdov, D., Eitzelmüller, B., Grosse, G., Guglielmin, M., Ingeman-Nielsen, T., Isaksen, K., Ishikawa, M., Johannson, M., Johannsson, H., Joo, A., Kaverin, D., Kholodov, A., Konstantinov, P., Kröger, T., Lambiel, C., Lanckman, J.-P., Luo, D., Malkova, G., Meiklejohn, I., Moskalenko, N., Oliva, M., Phillips, M., Ramos, M., Sannel, A.B.K., Sergeev, D., Seybold, C., Skryabin, P., Vasiliev, A., Wu, Q., Yoshikawa, K., Zheleznyak, M., Lantuit, H., 2019. Permafrost is warming at a global scale. *Nature Communications* 10, 264, DOI: 10.1038/s41467-018-08240-4.
- Stuhlmacher M, S Patnaik, **D Streletskiy**, K Taylor. 2019. Cap-and-trade and emissions clustering: A spatial-temporal analysis of the European Union Emissions Trading Scheme. *Journal of Environmental Management* 249, 109352, DOI: 10.1016/j.jenvman.2019.109352
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- Nyland K.E., Gunn G.E., Shiklomanov N.I., Engstrom R.N., **Streletskiy D.A**. 2018. Land Cover Change in the Lower Yenisei River Using Dense Stacking of Landsat Imagery in Google Earth Engine. *Remote Sensing*, 10(8), 1226; DOI: 10.3390/rs10081226
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- Nötzli, J, Christiansen H.H., Deline P., Guglielmin, Isaksen K., Romanovsky V.E., Smith S.L., Zhao L., **Streletskiy D.A**. 2018. Permafrost thermal state [in "State of the Climate in 2017"]. *Bulletin of the American Meteorological Society* 99(8):S20-22. doi:10.1175/2018BAMSStateoftheClimate.1.
- Shiklomanov, N., **Streletskiy, D.**, Grebenets, V., Suter, L. 2017. Conquering the permafrost: urban infrastructure development in Norilsk, Russia. *Polar Geography* 40, 4, 273-290, DOI: 10.1080/1088937X.2017.1329237
- Maslakov A.A., Ruzanov V.T., Fedorov-Davydov D.G., Kraev G.N., Davydov S.P., Zamolodchikov D.G., Tregubov O.D., Shiklomanov N.I., **Streletskiy D.A**. Seasonal Thawing of Soils in the Beringia Region in Changing Climatic Conditions. *Arctic Environmental Research*, 2017, vol. 17, no. 4, pp. 283–294. DOI: 10.17238/issn2541- 8416.2017.17.4.283
- Nyland, K., Shiklomanov, N., **Streletskiy, D**. 2017. Climatic- and Anthropogenic- Induced Land Cover Change around Norilsk, Russia. *Polar Geography* 40, 4, 257-272, DOI: 10.1080/1088937X.2017.1370503
- Nyland, K., Klene, A., Brown, J., Shiklomanov, N., Nelson, F., **Streletskiy, D.**, Yoshikawa, K. 2017. Traditional Inupiat Ice Cellars (Sig-uaq) in Barrow, Alaska: Characteristics, Temperature Monitoring, and Distribution. *Geographical Review* 107 (1), 143-158, DOI: 10.1111/j.1931-0846.2016.12204.x
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- Shiklomanov, N. I., **Streletskiy, D. A.**, Swales, T. B. and Kokorev, V. A. 2017. Climate Change and Stability of Urban Infrastructure in Russian Permafrost Regions: Prognostic Assessment based on GCM Climate Projections. *Geographical Review* 107 (1), 125-142. doi:10.1111/gere.12214
- Streletskiy, D.A.**, Shiklomanov, N.I., Little, J.D., Nelson, F.E., Brown, J., Nyland, K.E., Klene, A.E. 2016. Thaw Subsidence in Undisturbed Tundra Landscapes, Barrow, Alaska, 1962–2015. *Permafrost and Periglacial Processes* 28, 3, 566-572. DOI: 10.1002/ppp.1918
- Romanovsky V.E., S. L. Smith, K. Isaksen, N. I. Shiklomanov, **D. A. Streletskiy**, A. L. Kholodov, H.H. Christiansen, D. S. Drozdov, G. V. Malkova, and S. S. Marchenko. 2016. Terrestrial Permafrost [in "State of the Climate in 2015"]. *Bull. Amer. Meteor. Soc.*, 97 (8), S149-S152
- Yu, Q., Howard, E., Engstrom, R., Shiklomanov, N., **Streletskiy, D.** 2015. Land Cover and Land Use Changes in the Oil/Gas Regions of Northwestern Siberia under Changing Climatic Conditions. *Environmental Research Letters* 10(12):124020, DOI: 10.1088/1748-9326/10/12/124020
- Streletskiy, D.A.**, Sherstukov, A.B., Nelson, F.E., Frauenfeld, O.W. 2015. Changes in the 1963–2013 shallow ground thermal regime in Russian permafrost regions. *Environmental Research Letters* 10, 125005, doi:10.1088/1748-9326/10/12/125005
- Streletskiy, D.**, Tananaev, N., Opel, T., Shiklomanov, N., Nyland, K., Streletskaya, I., Tokarev, I., Shiklomanov, A. 2015. Permafrost Hydrology in Changing Climatic Conditions: Seasonal Variability of Stable Isotope Composition in Rivers in Discontinuous Permafrost. *Environmental Research Letters* 10(9):095003, DOI: 10.1088/1748-9326/10/9/095003
- Streletskiy, D.**, Shiklomanov, N., Kokarev V., Anisimov O. Arctic cities, permafrost and changing climatic conditions. *68th Canadian Geotechnical Conference - GEOQuébec 2015*, Québec, Canada, September 20-23, 2015. Paper 123, 6 p.
- Sherstukov A. and **Streletskiy D.** 2015. Spatial variability of soil temperature and active-layer thickness in the permafrost regions of Russia during the last fifty years. *68th Canadian Geotechnical Conference - GEOQuébec 2015*, Québec, Canada, September 20-23, 2015. Paper 191, 7 p.
- Drozdov D., Romyantseva Y., Malkova G., Romanovsky V., Abramov A., Konstantinov P., Sergeev D., Shiklomanov N., Kholodov A., Ponomareva O., **Streletskiy D.** 2015. Monitoring of permafrost in Russia and the international GTN-P project. *68th Canadian Geotechnical Conference - GEOQuébec 2015*, Québec, Canada, September 20-23, 2015. Paper 617, 7 p.
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- Streletskiy, D.A.**, Anisimov, O.A. Vasiliev, A.A. 2014. Permafrost degradation. In: Haeberli W. and Whiteman C. (ed.). *Snow and Ice-Related Risks, Hazards and Disasters*. Oxford, Elsevier, 303-344, DOI: 10.1016/B978-0-12-394849-6.00010-X
- Romanovsky V.E., S. L. Smith, H. H. Christiansen, N. I. Shiklomanov, **D. A. Streletskiy**, D. S. Drozdov, G. V. Malkova, N. G. Oberman, A. L. Kholodov, and S. S. Marchenko. 2014. Terrestrial Permafrost [in "State of the Climate in 2013"]. *Bull. Amer. Meteor. Soc.*, 95 (7), S139-S141
- Shiklomanov N.I., **Streletskiy, D.A.**, Little J. Nelson F.E. 2013. Isotropic thaw subsidence in undisturbed permafrost landscapes. *Geophysical Research Letters*, 40(24), 6356-6361, DOI: 10.1002/2013GL058295
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- Klene, A.E., Yoshikawa, K., **Streletskiy, D.A.**, Shiklomanov, N.I., Brown, J., Nelson, F.E. 2012. Temperature Regimes in Traditional Inupiat Ice Cellars, Barrow, Alaska, USA. *Proceedings of the 10th International Conference on Permafrost, Salekhard, Russia, June 25 - 29, 2012*, Vol. 4, 268-269.
- Nyland K., Shiklomanov N., **Streletskiy D.A.**, Klene A., Nelson F.E. 2012. Effect of Vegetation on Ground Temperature in Northern Alaska. *Proceedings of the 10th International Conference on Permafrost, Salekhard, Russia, June 25 - 29, 2012*, Vol.1, 295-300.
- Parente G., Shiklomanov N.I., **Streletskiy, D.A.** 2012. Living in the New North: Migration to and from Russian Arctic Cities. *Focus on Geography Journal*, 55(3), 77-89.
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- Streletskiy, D.A.**, Shiklomanov N.I., Hatleberg E. 2012. Infrastructure and a Changing Climate in the Russian Arctic: A Geographic Impact Assessment. *Proceedings of the 10th International Conference on Permafrost, Salekhard, Russia, June 25 - 29, 2012*, Vol.1, 407-412.
- Streletskiy, D.A.**, Shiklomanov N.I., Nelson F.E. 2012. Permafrost, infrastructure and climate change: A GIS-based landscape approach to geotechnical modeling. *Arctic, Antarctic and Alpine Research*, 44(3), 368-380. DOI: 10.1657/1938-4246-44.3.368.
- Streletskiy, D.A.**, Shiklomanov N.I., Nelson F.E. 2012. Spatial variability of permafrost active-layer thickness under contemporary and projected climate in northern Alaska. *Polar Geography* 35(2), 95-116, DOI: 10.1080/1088937X.2012.680204.
- Shiklomanov, N.I. **Streletskiy, D.A.**, Nelson, F.E., Hollister, R.D., Romanovsky, V.E., Tweedie, C.E., Boheim, J.G., Brown, J. 2010. Decadal variations of active layer thickness in moisture controlled landscapes, Barrow, Alaska. *Journal of Geophysical Research: Biogeosciences*, 115, G00I04, DOI: 10.1029/2009JG001248
- French, H.M., M. Demitroff, **D. Streletskiy**, S.L. Forman, J. Gozdzik, V.N. Konishchev, V.V. Rogov, M.P. Lebedeva-Verba. 2009. Evidence For Late-Pleistocene Permafrost in The New Jersey Pine

- Barrens, Eastern USA. *Earth's Cryosphere*, 13(3), 17-28 (in Russian, abstract in English)
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- Nelson, F.E., Shiklomanov, N.I., **Streletskiy, D.A.**, Romanovsky, V.E., Yoshikawa, K., Hinkel, K.M., Brown, J. 2008. A Permafrost Observatory at Barrow, Alaska: Long-term Observations of Active-Layer Thickness and Permafrost Temperature. *Proceedings of the 9th International Conference on Permafrost, Fairbanks, Alaska, June 29 - July 3, 2008*, Vol. 2, 1267-1272.
- Shiklomanov, N.I., Nelson, F.E., **Streletskiy, D.A.**, Hinkel, K.M., Brown, J. 2008. The Circumpolar Active Layer Monitoring (CALM) Program: Data Collection, Management, and Dissemination Strategies. *Proceedings of the 9th International Conference on Permafrost, Fairbanks, Alaska, June 29 - July 3, 2008*, Vol. 2, 1647-1652.
- Streletskiy, D.A.**, Shiklomanov, N.I., Nelson, F.E., Klene, A.E. 2008. Long-term Active and Ground Surface Temperature Trends: 13 years of observations at Alaskan CALM sites. *Proceedings of the 9th International Conference on Permafrost, Fairbanks, Alaska, June 29 - July 3, 2008*. Vol. 2, 1727-1732.
- Wood, K.R. & **Streletskiy, D.A.** 2008. Soil and Permafrost Temperature Data Obtained During the First International Polar Year. *Proceedings of the 9th International Conference on Permafrost, Fairbanks, Alaska, June 29 - July 3, 2008*. Vol. 2, 1957-1962.
- Zepalov, F.N., Grebenets, V.I., **Streletskiy, D.A.**, Shiklomanov, N.I. 2008. Active-layer Monitoring at a New CALM Site, Taimyr Peninsula, Russia. *Proceedings of the 9th International Conference on Permafrost, Fairbanks, Alaska, June 29 - July 3, 2008*, Vol. 2, 2037-2042.
- Arkhipov S.M., Hubberten H.-W., Vanshtein B.G., Mayer H., Ananicheva M.D., Savatugin L.M., Pryamikov S.M., Chernov R.A., **Streletskiy D.A.** 2006. Geochemistry of water and ice of Nordensheld Land, Svalbard. *Materiali Glaciologicheskikh Issledovaniy* (Reports of Glaciological Investigations), Vol. 100, 200-206. (In Russian, abstract in English)
- Streletskii D.A.**, Streletskaya I.D., Rogov V.V., Leybman M.O. 2003. Redistribution of Ions within the Active Layer and Upper Permafrost, Yamal, Russia. *Proceedings of the Eighth International Conference on Permafrost*, 21-25 July 2003, Zurich, Switzerland, Vol.2: A.A. Balkema Publishers: 1117-1122

EDITED VOLUMES

- Zamyatina N, Macdonald R, Pilyasov A, **Streletskiy D**, Suter L. 2021. Transportation, infrastructure and permafrost degradation in the Arctic. In Glomsrød, S., G. Duhaime and I. Aslaksen (eds.). 2021. *The Economy of the North – ECONOR 2020*. 171-183
- Zamyatina N., Suter L., **Streletskiy D.**, Shiklomanov N. 2020. Chapter 2. Shrinking Cities, Growing Cities: A Comparative Analysis of Vorkuta and Salekhard. In Orttung R. (Ed.). *URBAN SUSTAINABILITY IN THE ARCTIC: Measuring Progress in Circumpolar Cities. Berghahn Press, ISBN 978-1-78920-735-4*
- Suter L.J. Schaffner K., Giddings C., Orttung R., **Streletskiy D.** 2017. Developing Metrics to Guide Sustainable Development of Arctic Cities: Progress and Challenges. *Arctic Yearbook 2017*. Lassi Heininen L., Exner-Pirot H., Plouffe J. (eds). Akureyri, Iceland, ISSN 2298–2418, 112-131, <https://arcticyearbook.com/>

- Streletskiy, D.A.** and Shiklomanov, N.I. 2016. Chapter 9. Arctic Cities through the Prism of Permafrost. In Orttung R. (Ed.). *Sustaining Russia's Arctic Cities: Resource Politics, Migration, and Climate Change*. *Berghahn Press, 201-220, ISBN 978-1-78533-315-6*
- Romanovskiy V.E., Isaksen K., Drozdov D. Anisimov O., Instanes A., Leibman M., McGuire D., Shiklomanov N, Smth S., Walker D., Grosse G., Jones B., Jorgensen T., Kanevskiy M., Kizyakov A., Lewkowicz A., Malkova G., Marchenko S., Nicolsky D., **Streletskiy D.**, Westermann S. 2017. Changing Permafrost and its Impacts. Snow, Water, Ice and Permafrost in the Arctic (SWIPA): Climate Change and the Cryosphere. Arctic Monitoring and Assessment Programme (AMAP), Oslo, Norway, 65-102.
- Anisimov, O.A., Grebenets, V.I., **Streletskiy, D.A.** 2014. Chapter 6.4: Infrastructure objects located on permafrost. In Semenov S.M. and Kattcov V.M. (ed). *Second Roshydromet Assessment Report on Climate Change and its Consequences in Russian Federation*, Roshydromet, Moscow, Russia, 854- 877, ISBN 978-5-901579-52-7 (In Russian, General Summary available in English).
- Shiklomanov N.I., and **Streletskiy D.A.** 2013. Effect of Climate Change on Siberian Infrastructure. In P.Ya. Groisman and G. Gutman (eds.) *Regional Environmental Changes in Siberia and their Global Consequences*. Springer DOI 10.1007/978-94-007-4569-8_1, 155-170.
- Anisimov O.A., Anohin Y.A., Lavrov S.A., Malkova G.V., Myach L.T., Pavlov A.V., Romanovsky V.A., **Streletskiy D.A.**, Kholodov A.L., Shiklomanov N.I. (in Russian alphabetical order). 2012. Chapter 8: Continental Permafrost. In Semenov S.M. (ed.) *Modern Methods of climate change assessments in Russia*, Roshydromet, Moscow, Russia, 268-328 (In Russian). ISBN 978-5-904206-10-9

OTHER PUBLICATIONS

- Streletskiy D.**, Shiklomanov N, Grebenets V. 2018. Change of the bearing foundation capacity in connection with climate warming in the northwest of Siberia. *Research in Marine Sciences* 3(3), 357-370
- Nyland K. Grebenets V., Shiklomanov N, **Streletskiy D.** 2018. Igarka Vanishes: A Story of the Fastest Shrinking City in the Russian Arctic. *Focus in Geography*. DOI: 10.21690/foge/2018.61.4f
- Romanovsky V.E., Smith S.L., Isaksen K., Shiklomanov N.I., **Streletskiy D.A.**, Kholodov A.L., Christiansen H.H., Drozdov D.S., Malkova G.V., Marchenko S.S., 2017: Terrestrial Permafrost [in *Arctic Report Card 2017*], <http://www.arctic.noaa.gov/reportcard>.
- Streletskiy, D.** and Biskaborn B. 2018. The Global Terrestrial Network for Permafrost (GTN-P). *Frozen Ground*, 41, 14.
- Streletskiy D.**, Biskaborn B., Smith S., Noetzli J, Viera G., Schoeneich P. 2017. Strategy and Implementation Plan 2016-2020 for the Global Terrestrial Network for Permafrost (GTN-P). The George Washington University, Washington D.C., 42 pp. <http://library.arcticportal.org/1938/>
- Sergeev D.O., Drozdov D.S., Baranskaya A.V., Belova N.G., Veremeeva A.A., Grechishcheva E.S., Dvornikov Yu.A., Lupachev A.V., Maslakov A.A., Stanilovskaya J.V., **Streletskiy D.A.**, Fedorov A.N., Fedorova I.V. 2017. The 11th International Conference on Permafrost, Potsdam Germany, 20-24 June, 2016. *Earth's Cryosphere* 21(2), 88-97, DOI: 10.21782/KZ1560-7496-2017-2(88-97)
- Anisimov O.A. and **Streletskiy D.A.** 2017. Permafrost [in *A Report on Climate Features on the Territory of the Russian Federation in 2016*], Moscow, ROSHYDROMET, 2017.
- Streletskiy, D.** and Biskaborn B. 2016. The Global Terrestrial Network for Permafrost (GTN-P). *Frozen Ground*, 40, 12-13.

- Lewkowicz A., Weege S., Biskaborn B., **Streletskiy, D.**, Romanovsky V., Fortier R. 2016. Report from the International Permafrost Association. *Permafrost and Periglacial Processes*, DOI: 10.1002/ppp.1894
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- Streletskiy D.**, Grebenets V., Shiklomanov A. 2015. Case Study 5: Urban landscapes on permafrost: the Oganer district of Norilsk, Russia. Walker, D.A., and J.L. Peirce (eds). *Rapid Arctic Transitions due to Infrastructure and Climate (RATIC): A contribution to ICARPIII*. University of Alaska Fairbanks, Fairbanks, Alaska, 33-40.
- Romanovsky V.E., Smith S.L., Christiansen H.H., Shiklomanov N.I., **Streletskiy D.A.**, Drozdov D.S., Oberman N.G., Kholodov A.L., Marchenko S.S., 2013: Permafrost [in *Arctic Report Card 2013*], <http://www.arctic.noaa.gov/reportcard>.
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CONFERENCES AND PRESENTATIONS

- Streletskiy D, Lankman JP, Clemens S, Suter L, Shiklomanov N, Nyland K. 2021. Estimating Costs of Mid-21st Century Climate Change Impacts on Societies and Infrastructure in the Circumpolar Arctic. AGU Fall Meeting 2021 (poster).
- Mitchell RJ, Klene AE, Shiklomanov NI, Nyland KE, Streletskiy D.A., Nelson F.E. 2021. Snow-cover Effects on the Active Layer Above Permafrost: Results of Long-term Ground Surface Temperature Observations in Northern Alaska. AGU Fall Meeting 2021 (poster).
- Shiklomanov, Nikolay I; Klene, Anna E; Nyland, Kelsey E; Streletskiy, Dmitry A; Nelson, Frederick E. 2021. Analysis of permafrost–vegetation interactions based on long-term ground surface observations. AGU Fall Meeting 2021 (oral).
- Streletskiy D, Lankman JP, Clemens S, Suter L, Shiklomanov N, Nyland K. Developing a Framework for Assessing the Vulnerability of Infrastructure on Permafrost to Climate Change. The 2021 Regional Conference on Permafrost (RCOP) and 19th International Conference on Cold Regions Engineering , virtually October 24 and 29, 2021.
- Streletskiy D. 2021. The cost of permafrost degradation in the Russian Arctic. CSIS Workshop: Economic Consequences of Climate Change in the Russian Arctic, May 27, 2021 (invited)
- Streletskiy D., Shiklomanov N, Nyland K. 2021. Permafrost Degradation Threatens Infrastructure in Arctic Communities. Japan Geoscience Union Meeting, May 30-June 6, 2021 (oral)

Before 2021

- Streletskiy D. 2020. Lesson from the International Permafrost Monitoring and Assessment of Permafrost Degradation Costs for Russia by mid-21 century. Investigations of permafrost regions transformations and geotechnical safety in the Arctic, 21-22 November, 2020, Salekhard, Russia (online)

- Streletskiy D. 2020. The Arctic Ocean. Invited panel talk. A Virtual Event by the American Geographical Society, Nov 16-20, 2020.
- Streletskiy D., Grebenets V., Zamyatina N. 2020 Assessment of Dangerous Permafrost Processes in Urban Settlements of the Russian Arctic, EGU General Assembly <https://doi.org/10.5194/egusphere-egu2020-10350>. May 8, 2020. Held online.
- Streletskiy et al., 2020. Global Terrestrial Network for Permafrost (GTN-P): Towards Sustaining Permafrost Observations. Arctic Observing Summit 2020, Akureyri, Iceland (March 31- April 2). Poster. Held online
- Groisman P, Bulygina O, Gulev S, Dufour A, Streletskiy D, Peng G, Speranskaya N, and Tchebakova T. 2020. Environment changes in the Eurasian Arctic" Six Interational Symposium on Arctic Research, Tokyo, Japan, March 18, 2020. Presentation online
- Streletskiy D. 2020. Our Melting World. Build, RVA, Richmond, VA, February 21, 2020. Invited community talk.
- Streletskiy, D, Lilly, M, Brown J, Frauenfeld, O., Levine, K., Tahirkheli, 2019. Permafrost Monthly Alerts (PMA) Program. 1st Southern Hemisphere Conference on Permafrost, Queenstown, New Zealand, 4-14 December 2019. Poster.
- Engstrom R., Zhu A., Streletskiy D., Shiklomanov N. 2019. ANALYZING CHANGE IN RUSSIAN ARCTIC URBAN AREAS USING MULTIPLE REMOTE SENSING DATA SOURCES. 1st Southern Hemisphere Conference on Permafrost, Queenstown, New Zealand, 4-14 December 2019. Presentation
- Nelson, F, Shiklomanov, N, Streletskiy, D., Klene A, Nyland K. 2019. CALM I-V: A QUARTER-CENTURY OF OBSERVATIONS AT ALASKAN ACTIVE LAYER MONITORING SITES. 1st Southern Hemisphere Conference on Permafrost, Queenstown, New Zealand, 4-14 December 2019. Presentation
- Shiklomanov, N, Streletskiy, D., Nyland K. 2019. TRADITIONAL AND NONTRADITIONAL PERMAFROST INFRASTRUCTURE AND CLIMATE CHANGE: EXAMPLES FROM ALASKAN AND RUSSIAN ARCTIC. 1st Southern Hemisphere Conference on Permafrost, Queenstown, New Zealand, 4-14 December 2019. Presentation
- Streletskiy, D., Shiklomanov, N, Nelson, F, Nyland K, Klene A, Brown J., Little J. 2019. LONG-TERM SPATIALLY DISTRIBUTED MONITORING OF THAW SUBSIDENCE ON ALASKA'S NORTH SLOPE. 1st Southern Hemisphere Conference on Permafrost, Queenstown, New Zealand, 4-14 December 2019. Presentation
- MR Lilly, S Tahirkheli, K Levine, J Brown, Streletskiy D. 2019. The Permafrost Monthly Alert (PMA) Program: Improving Reference Searches Now and in the Future. AGU Fall Meeting 2019, San Francisco, USA, 9 December 2019 - 13 December 2019. Poster.
- Sarker, T.; Streletskiy, D. A.; Mann, M. L. 2019. Monitoring the Impacts of Industrialization in the Arctic Russia. , AGU Fall Meeting 2019, San Francisco, USA, 9 December 2019 - 13 December 2019. Poster.
- Jones, B. M. , Tweedie, C. E. , Xiao, M. , Alexeev, V. A. , Baranskaya, A. , Belova, N. , Bristol, E. , Bull, D. L. , Guangqing, C. , Dallimore, S. , Erikson, L. H. , Farquharson, L. M. , Flanary, C. , Frederick, J. , Fuchs, M. , Gibbs, A. , Graybill, J. , Grigoriev, M. N. , Grosse, G. , Günther, F. , Halvorsen, K. E. , Isaev, V. , Irrgang, A. , Iwahana, G. , Jensen, A. M. , Jones, C. A. , Kanevskiy, M. , Kasper, J. , Kinsman, N. , Kokin, O. , Kroon, A. , Lantuit, H. , Lantz, T. C. , Liljedahl, A. K. , Lubbad, R. , Maio, C. , Maslakov, A. , McClelland, J. W. , Mota, A. , Nitze, I. , Novikova, A. V. , Ogorodov, S. A. , Overbeck, J. , Overduin, P. P. , Petrov, A. N. , Richmond, B. , Romanovsky, V. E. , Rowland, J. , Sachs, T. , Schuur, E. A. G. , Shabanova, N. N. , Sinitsyn, A. , Shiklomanov, N. , Streletskiy, D. , Strzelecki, M. C. , Swanson, D. and Thomas, M. A. (2019): An emerging international network focused on permafrost coastal systems in transition , AGU Fall Meeting 2019, San Francisco, USA, 9 December 2019 - 13 December 2019. Poster.

- Streletskiy, D. 2019. Permafrost & Arctic Urban Infrastructure: Measuring the Costs of Thaw. Alaska Municipal League. Anchorage, AK, November 20, 2019. Invited talk.
- Streletskiy D. Climate Change and Permafrost Degradation in Northern Eurasia: Geographic Impact Assessment. 2019. JpGU Meeting 2019, May 26-30, 2019, Chiba, Japan
- Streletskiy D., Suter L., Shiklomanov N. 2019. The Cost of Permafrost to Russian Economy. AAG 2019 Annual Meeting, Washington DC, April 3-7, 2019.
- Streletskiy D., Suter L., Shiklomanov N. 2019. The Cost of Permafrost Hazards to Russian Economy. International Conference “Solving the puzzles from Cryosphere”, Pushchino, Russia, April 15-18, 2019
- Streletskiy D., Science in the New Arctic - The Converging of Natural and Social Sciences. American Association for the Advancement of Science (AAAS) Annual Meeting, 14-17 February 2019, Washington, D.C. (Invited)
- Streletskiy D., Suter L., Shiklomanov N. 2018. The Direct Cost of Terrestrial Permafrost Degradation to the Arctic Countries by mid-21 Century. AGU Fall Meeting, Washington DC, Dec 10-14, 2018
- Streletskiy D., Suter L., Shiklomanov N. 2018. Towards Circumpolar Assessment of Climate Change Impacts on Population and Infrastructure in Arctic Permafrost Regions. In Deline P., Bodin X. and Ravanel L. (Eds.) (2018): 5 th European Conference On Permafrost – Book of Abstracts, 23 June - 1 July 2018, Chamonix, France, 209-210.
- Grebenets V.I., Streletskiy D.A., Shiklomanov N, Tolmanov V.A., Suter L., Kharedinova A. 2018. International Arctic Field Student Course on Permafrost and Northern Studies (July 2017, the north of Russia), In Deline P., Bodin X. and Ravanel L. (Eds.) (2018): 5 th European Conference On Permafrost – Book of Abstracts, 23 June - 1 July 2018, Chamonix, France, 243-244.
- Grebenets V.I., Tolmanov V.A., Kerimov A.G. Streletskiy D.A. 2018. Dynamics of Active Layer and thaw subsidence in Taimyr peninsula. In Deline P., Bodin X. and Ravanel L. (Eds.) (2018): 5 th European Conference On Permafrost – Book of Abstracts, 23 June - 1 July 2018, Chamonix, France, 567-568.
- Shiklomanov N., Streletskiy D., Nelson F, Klene A. 2018. Temporal Variability of the Active-Layer Thickness on the North Slope of Alaska. POLAR2018 SCAR/IASC Open Science Conference, Abstract Proceedings. 19 – 23 June 2018, Davos, Switzerland, ISBN 978-0-948277-54-2
- Biskaborn B, Romanovsky V.E. Smith S.S., Streletskiy D.A., Noetzi J., Viera G., Schoeneich P., Lanckman J-P., Lantuit H. 2018. A Global Snapshot on the Thermal State of Permafrost and Active Layer Thickness. POLAR2018 SCAR/IASC Open Science Conference, Abstract Proceedings. 19 – 23 June 2018, Davos, Switzerland, ISBN 978-0-948277-54-2
- Shiklomanov N., Streletskiy D., Nelson F, Klene A. 2018. Circumpolar Active Layer Monitoring Program: Results and Future Directions. POLAR2018 SCAR/IASC Open Science Conference, Abstract Proceedings. 19 – 23 June 2018, Davos, Switzerland, ISBN 978-0-948277-54-2
- Suter L., Streletskiy D., Orttung R., Laruelle M., Shiklomanov N. 2018. Promoting Arctic Urban Sustainability: Research and Education. POLAR2018 SCAR/IASC Open Science Conference, Abstract Proceedings. 19 – 23 June 2018, Davos, Switzerland, ISBN 978-0-948277-54-2
- Streletskiy D., Suter L., Shiklomanov N. 2018. Risk Assessment of Climate-change Impacts on Infrastructure in the Arctic. POLAR2018 SCAR/IASC Open Science Conference, Abstract Proceedings. 19 – 23 June 2018, Davos, Switzerland, ISBN 978-0-948277-54-2
- Kerimov A.G.-O., Grebenets V.I., Streletskiy D.A., Tolmanov V.A., Shiklomanov N.I., Yurov F.D., Gubanov A.S. Active layer thickness and thaw subsidence in Norilsk region, based on the results from field studies (Site R-32 CALM). Current Problems of Geocryology, Moscow, Russia, May 15-16, 2018, Vol. 1, 179-185
- Smirnov A., Streletskiy D., Biskaborn B., Lantuit H., Johannsson H, Irrgang A. Schollan K. 2018. Technical features of the Global Terrestrial Network for Permafrost (GTN-P) database and web-portal.). Current Problems of Geocryology, Moscow, Russia, May 15-16, 2018, Vol 1, 143-146
- Drozhdov D. S., Maikova G.V., Romanovsky V.E., Vasiliev A.A., Brushrov A.V., Leibman M. O., Sadwtidinov M. R., Ponomareva O.E., Pendin V.V., Gorobtsov D.N., Ustinova E.A., Korostelev Yu.V., Streletskiy D.A.,

- Slagoda E.A., Skvortsov A.G., Gravis A.G., Berdnikov N. M., Orekhov P.T., Laukhin S.A., Tsarev A.M., Falalaeva A.A., Zhelezniak M.N. 2018. Digital maps of permafrost zone and assessment of current trends of cryosphere changes. *Current Problems of Geocryology*, Moscow, Russia, May 15-16, 2018, Vol 1, 295-301
- Grebenets V.I., Streletskiy D.A., Shiklomanov N.I., Gubanov A.S., Tolmanov V.A. 2018. Natural-technogenic geocryological complexes in the urbanized territories in permafrost zone. *Current Problems of Geocryology*, Moscow, Russia, May 15-16, 2018, Vol 2, 33-39
- Streletskiy D. Worldwide Permafrost Degradation? AAG 2018 Annual Meeting, New Orleans, April 10-14, 2018
- Shiklomanov N., Streletskiy D., Suter L. 2018. Back to the Future? Urban development in the Arctic cities of Vorkuta and Salekhard, Russia. AAG 2018 Annual Meeting, New Orleans, April 10-14, 2018
- Streletskiy D. 2017. Arctic Change. Arctic PIRE annual project meeting, Cedar Rapids, Iowa, November 6-7, 2017.
- Streletskiy D. and Shiklomanov N. 2017. Global Terrestrial Network for Permafrost (GTN-P): Long-term observations on permafrost/active layer system, Interagency Arctic Research Policy Committee, November 17, 2017
- Grebenets V, Tolmanov V., Streletskiy D. 2017. Investigation of the Active layer thickness and ground subsidence in Taimyr. Abstract GC33F-1143, Fall Meeting, AGU, New Orleans, LA, 11-15 Dec, 2017.
- Shiklomanov A., Tokarev I, Davydov S, Davydova A, Streletskiy D. 2017. Understanding of changes in river flow using recently collected field and observational data from Russian Arctic. Abstract GC33F-1139, Fall Meeting, AGU, New Orleans, LA, 11-15 Dec, 2017.
- Tolmanov V., Suter. L, Grebenets V, Streletskiy D., Shikolmanov N. 2017. International student Arctic Field School on Permafrost and urban areas. Abstract GC33F-1144 , Fall Meeting, AGU, New Orleans, LA, 11-15 Dec, 2017
- Streletskiy D., Groisman P, Shugart H., Gulev S., Maksyutov S., Qi J. 2017. From the Northern Eurasia Earth Science Partnership Initiative to the Northern Eurasia Future Initiative, Abstract GC32C-05, Fall Meeting, AGU, New Orleans, LA, 11-15 Dec, 2017. (Oral)
- Shiklomanov N., Streletskiy D., Grebenets V. 2017. Permafrost and urban Development in Norilsk Russia. Abstract GC33F-1134, Fall Meeting, AGU, New Orleans, LA, 11-15 Dec, 2017
- Maslakov A., Tregubov O, Ruzanov V., Dedorova-Davydov D., Davydov S, Shiklomanov N., Streletskiy D. 2017. Contemporary dynamics of active layer thickness of Northeastern Eurasia: evidence of climate warming, cooling or cyclicity? (Invited). Abstract GC34C-01, Fall Meeting, AGU, New Orleans, LA, 11-15 Dec, 2017
- Nyland K., Queen C., Nelson F., Shiklomanov N., Streletskiy D., Klene A. 2017. Long-term comparison of Kuparuk Watershed active layer maps, northern Alaska, USA. Abstract C21C-1131, Fall Meeting, AGU, New Orleans, LA, 11-15 Dec, 2017
- Geopolitics in the New Frontier: Opportunities and Challenges in the Arctic*. Georgetown Institute for the Study of Diplomacy, October 19, 2017, Invited expert.
- Arctic Research Cooperation: Perspectives from the Field. *Arctic Circle Forum: The United States and Russia in the Arctic*, Washington, D.C., June 21-21, 2017. Invited speaker.
- Streletskiy, D., Biskaborn, B.K., Romanovsky, V.E., Smith, S.L., Shiklomanov, NI, Nötzli, J, Vieira, G, Schoeneich, P, Maslakov A. 2017. Circumpolar Assessment of Spatial and Temporal Variability of Permafrost Temperature and Active Layer Thickness Based on Data from the Global Terrestrial Network for Permafrost (GTN-P). *International Conference Earth's Cryosphere: Past, Present and Future*, Pushchino, Russia, June 4-8, 2017, 19-21. ISBN 978-5-600-01788-7
- Maslakov A., Ruzanov V., Fyodorov-Davydov D., Kraev G., Davydov S., Zamolodchikov D., Streletskiy D., Shiklomanov N. 2017. Seasonal thawing of soils in Beringia region in changing climatic conditions. *International Conference Earth's Cryosphere: Past, Present and Future*, Pushchino, Russia, June 4-8, 2017, 44-45. ISBN 978-5-600-01788-7

- Streletskaya I., Vasiliev A., Oblogov G., Streletskiy D. 2017. Methane in frozen deposits of the western sector of the Russian Arctic as a risk factor of natural disasters. *International Conference Earth's Cryosphere: Past, Present and Future*, Pushchino, Russia, June 4-8, 2017, 86-87. ISBN 978-5-600-01788-7
- Grebenets V., Gubanov A., Tolmanov V., Streletskiy D. 2017. Forming of natural-technogenic geocryological complexes under intensive economic development of permafrost zone. *International Conference Earth's Cryosphere: Past, Present and Future*, Pushchino, Russia, June 4-8, 2017, 135-137. ISBN 978-5-600-01788-7
- Melvin, F. Streletskiy D., Heleniak T. Interdisciplinary analysis of factors influencing Alaska Native Migration in Arctic Alaska. 2017. *International Conference on Arctic Science: Bringing Knowledge to Action, April 24-27, 2017 Reston, VA, USA*.
- Streletskiy, D., Biskaborn, B.K., Romanovsky, V.E., Smith, S.L., Shiklomanov, NI, Nötzli, J, Vieira, G, Schoeneich, P, Lanckman, J-P., Lantuit, H. 2017. Thermal state of permafrost and active layer thickness over the last decade: Report from Global Terrestrial Network for Permafrost (GTN-P). *ASSW 2017 Summit, 31 March – 7 April, 2017, Prague, Czech Republic*
- Streletskiy D, Orttung R, Laruelle M, Shiklomanov N, Heleniak T. 2017. Interdisciplinary assessment of Arctic urban development. *ASSW 2017 Summit, 31 March – 7 April, 2017, Prague, Czech Republic*.
- Shiklomanov, N, Nelson, FE, Streletsky, D, Klene, A, Biskaborn B. 2016. Long-term active-layer dynamics: results of 22 years of field observations in Northern Hemisphere permafrost regions. *AGU 2016 Annual Meeting*, San Francisco.
- Streletskiy, D., Biskaborn, B.K., Romanovsky, V.E. and Smith, S. L. Global outlook from the Global Terrestrial Network for Permafrost (GTN-P): Changes in thermal state of permafrost and active layer thickness over the last decade. *AGU 2016 Annual Meeting*, San Francisco.
- Haghshenas Haghghi, M, Motagh, M, Heim, B, Chabrillat, S, Streletskiy, D, Grosse, G, Sachs, T, Kohnert, K. Analysis of summer subsidence in Barrow, Alaska, using InSAR and hyperspectral remote sensing. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany*.
- Klene, AE, Shiklomanov, NI, Nelson, FE, Nyland, KE, Streletskiy, DA, Yu, Q. Comparison of measured air and soil-surface temperatures with satellite trends of increasing phytomass in northern Alaska. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany, 424-425*
- Biskaborn, BK, Romanovsky, VE, Smith, SL, Streletskiy, D, Nötzli, J, Vieira, G, Schoeneich, P, Lanckman, J-P., Lantuit, H. A global snapshot on the thermal state of permafrost and active layer thickness. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany, 398-399*
- Yu, Q, Engstrom, R, Shiklomanov, N, Streletskiy, D. Mapping Landscape Level Changes in Plant Communities and Impacts on Permafrost Dynamics in Siberia. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany, 939*.
- Shiklomanov, A, Tokarev, I, Davydov, S, Davydova, A, Streletsky, D. Study of river runoff generation in continuous permafrost zone based on new field data from Cherskiy, Russian Arctic. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany, 694*
- Shiklomanov, N, Nelson, FE, Klene, A, Nyland K, Streletsky, D. Twenty years of active layer monitoring in Northern Alaska: Results and lessons learned. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany, 460*
- Nyland, KE, Shiklomanov, NI, Nelson, FE, Klene, AE, Streletskiy, DA. Traditional and Urban-Industrial Impacts on Permafrost Change. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany*.
- Walker, D.A., Peirce, J., Kumpula, T., Leibman, M.O., Matyshak, G., Streletskiy, D., Raynolds, M.K., Shur, Y.S., Kanevskiy, M., Buchhorn, M., Kofinas, G., Ambrosius, K., Epstein, H.E., Romanovsky, V.E., Forbes, B.C., Khumotov, A., Khitun, O., Shiklomanov, N., Grebenets, V., Lemay, M., Allard, M. Rapid Arctic Transitions due to Infrastructure and Climate (RATIC): An ICARP III initiative focusing on the cumulative effects of Arctic infrastructure and climate change. *XI International Conference on Permafrost 20 - 24 June*

- 2016, Potsdam, Germany, 1235-1236.
- Streletskiy, DA, Shiklomanov, NI, Nelson, FE, Nyland, KE, Klene, AE., Brown, J, Little, JD. Thaw Subsidence in Undisturbed Landscapes, Barrow, Alaska, U.S.A. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany, 885-886.*
- Grebenets, VI, Streletskiy, DA, Shiklomanov, NI, Nyland, KE, Kurchatova, AN, Boycov, AV, Pfeiffer, EM, Klene, AE, Kerimov, AG. The experience of the international field student courses on permafrost in northern Siberia. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany, 1098-1100*
- Grebenets, VI, Streletskiy, D.A, Shiklomanov, NI, Kerimov, AG, Ostroumova, EA, Konovalov, YV, Andruschenko, FD. Thermal state dynamics of permafrost basement on engineering objects in cryolithozone of Russia. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany, 1098-1100*
- Norkov, VS, Grebenets, VI, Maslakov, AA, Tolmanov, VA, Streletskiy, DA. Changes of moisture in soil freezing, Central Russia. *XI International Conference on Permafrost 20 - 24 June 2016, Potsdam, Germany.*
- Haghshenas Haghghi, M, Motagh, M, Heim, B, Chabrillat, S., Streletskiy, D, Sachs, T. Kohnert, Katrin I. Investigating summer thaw settlement in Barrow, Alaska, using InSAR and hyperspectral remote sensing. *Living Planet Symposium 2016, 9-13 May 2016, Prague, Czech Republic*
- Walker D.A., T. Kumpula, M.O. Liebman, G. Matyshak, D. Streletskiy, M.K. Raynolds, Y.S. Shur, M. Kanevskiy, M. Bucchorn, G. Kofinas, K. Ambrosius, H.E. Epstein, V. Romanovsky, B.C. Forbes, A. Khumotov, O. Khitun, N. Shiklomanov, V. Grebenets, M. Lemay, M. Allard, W. Vincent, S. Lamoureux, T. Bell, D. Forbes, G. Fondahl, E. Kuznetsova, L-P Roy, A. Petrov, P. Schweitzer. 2015. Rapid Arctic Changes due to Infrastructure and Climate (RATIC) in Russia compared to North America. *AGU 2015 Annual Meeting, San Francisco.*
- Shiklomanov N.I., Nelson F.E., Streletskiy D.A., Klene A. 2015. CALM at 21: Results of long-term monitoring of the active layer/upper permafrost system. *AGU 2015 Annual Meeting, San Francisco.*
- Qu Yin, Shiklomanov N.I., Streletskiy D.A. 2015. Detecting Anthropogenic and Climate Change Induced Land Cover and Land Use Change in the Vicinity of an Oil/gas Facility in Northwestern Siberia, Russia. *AGU 2015 Annual Meeting, San Francisco.*
- Streletskiy D.A, Davydova A.I., Davydov S.P., Opel T., Shiklomanov A.I., Shiklomanov N.I., Streletskaya I.D., Tananaev N.I., Tokarev I.V. 2015. Seasonal Variations of Stable Isotope Composition of River flow in Permafrost Regions of Yenisei and Kolyma Rivers (Russia). *AGU 2015 Annual Meeting, San Francisco.*
- Marchenko S., Streletskiy, D., Romanovsky V., McGuire D., Shiklomanov, N. 2015. The Permafrost Condition from 1960 to 2300 Based on Simulations of the GIPL2 Permafrost Dynamics Model across Eurasia: Implications for Soil Carbon Vulnerability, Infrastructure and Socio-economic Impacts. *AGU 2015 Annual Meeting, San Francisco.*
- Grebenets V.I., Streletskiy D.A., Kerimov A.G., Kurchatova A., Andryushchenko F. D., Gubanov A. 2015. Thermal State Of Permafrost In Urban Environment Under Changing Climatic Conditions. *AGU 2015 Annual Meeting, San Francisco.*
- Streletskiy, D. and Tananaev N. 2015. Climate Change, Permafrost Degradation and River Hydrology. *International Geographical Union Regional Conference, Moscow, Russia, 17-21 August 2015, Abstract 0638.*
- Grebenets V.I., F. D. Andryushchenko, E. A. Ostroumova, A.G. Kerimov, D.A. Streletskiy, G.-T. Bjornsson. 2015. Dynamics of permafrost conditions in the largest cities of Russian Arctic under climate change and technogenic impacts. *International Geographical Union Regional Conference, Moscow, Russia, 17-21 August 2015, Abstract 1494.*
- Shiklomanov N. I. and Streletskiy D.A. 2015. Climate-induced changes in stability of Russian urban infrastructure built on permafrost, *Arctic Science Summit Week 2015, Toyama, Japan, April 2015*
- Haghshenas Haghghi, M., Motagh, M., Heim, B., Streletskiy, D., Grosse, G., Bartsch, A. Evaluation of X-band InSAR technique for monitoring seasonal surface elevation change in a permafrost landscape, Barrow,

- Alaska. *Advances in the Science and Applications of SAR Interferometry and Sentinel-1 InSAR Workshop*, 23-27 March 2015, Rome, Italy.
- Streletskiy, D., Opel, T., Tananaev, N., Streletskaya, I., Tokarev, I., Nyland, K., Shiklomanov, N., Shiklomanov, A. 2015. Hydrology of Small Siberian Rivers in Changing Climatic Conditions. *AAG 2015 Annual Meeting, Chicago*.
- Touyz, J., Apanasovich T., Streletskiy D. 2015. Spatial-temporal modeling of permafrost active-layer thickness. *AAG 2015 Annual Meeting, Chicago*.
- Touyz, J., Apanasovich T., Streletskiy D. 2015. A framework for spatial-temporal modeling on regular grids with applications to Arctic permafrost active-layer thickness. *The 1st International Workshop on Spatiotemporal Computing (IWSC)*.
- Shiklomanov, N.I. and Streletskiy, D.A. 2014. Arctic Cities and Climate Change: A Geographic Impact Assessment. *AGU 2014 Annual Meeting, San Francisco*.
- Nyland K., Streletskiy, D.A. and Shiklomanov N.I. 2014. Land Cover and Permafrost Change Mapping Using Dense Time Stacks of Landsat and Quickbird Imagery. *AGU 2014 Annual Meeting, San Francisco*
- Streletskiy D., Tananaev N, Tokarev I., Shiklomanov A. 2014. Permafrost and Hydrology in the High Latitudes of Eurasia. *AGU 2014 Annual Meeting, San Francisco*
- Kerimov A.G., Grebenets V.I., Streletskiy D.A., Shiklomanov N.I., Nyland K.E. 2014. Evolution of permafrost landscapes under technogenic impacts. *AGU 2014 Annual Meeting, San Francisco*
- Shiklomanov A.I., Streletskiy D.A., Groisman P.Y., Lammers R.B. 2014. Change in streamflow across Eurasian pan-Arctic, contemporary trajectories and possible causes. *AGU 2014 Annual Meeting, San Francisco*.
- Haghshenas-Haghighi M., Motagh M., Heim B., Sachs T., Kohnert K., Streletskiy D.A. 2014. Using TerraSAR-X and hyperspectral airborne data to monitor surface deformation and physical properties of the Barrow permafrost landscape, Alaska. *AGU 2014 Annual Meeting, San Francisco*.
- Grebenets V.I, Kerimov A.G., Streletskiy D.A., Shiklomanov N.I., Shkoda V.S., Anduschenko F.D. 2014. Thermal state of permafrost in urban environment under changing climatic conditions. *AGU 2014 Annual Meeting, San Francisco*.
- Streletskiy, D.A. 2014. Impacts of climate change on urban landscapes of permafrost. *Arctic Research Coordination Network Second Workshop*, June 5-7, 2014, Saint Peterburg, Russia.
- Shiklomanov N.I., Nyland K., Streletskiy, D.A. 2014. Finding hope in the darkest of days: sustaining the urban core of Norilsk under changing socio-economic and climatic conditions. *AAG 2014 Annual Meeting, Tampa, FL*.
- Streletskiy, D.A., Shiklomanov, N.I., Nyland, K., Nelson, F.E., Klene A. 2014. Long-term permafrost – active layer observations on the North Slope of Alaska. *AAG 2014 Annual Meeting, Tampa, FL*.
- Grebenets V.I., Streletsky D.A., Shmelev, D. 2014. Role of climatic and landscape-specific factors in variability of the active-layer in Norilsk region, Russia. *Fourth European Conference on Permafrost, June 18-21, 2014, Evora, Portugal*.
- Streletskiy D.A., Brown J., Clow G., Kholodov A., Klene A. Nelson F., Romanovsky V., Saybold C., Shiklomanov N., Urban F., Yoshikawa K. 2014. Permafrost – active layer observations on the North Slope of Alaska. *Fourth European Conference on Permafrost, June 18-21, 2014, Evora, Portugal*.
- Streletskiy, D.A. 2014. Isotropic thaw subsidence in undisturbed permafrost landscapes. *DUE Permafrost 2014 workshop 11-13 February 2014, Frascati, Italy*.
- Streletskiy, D.A. and Shiklomanov N.I. 2014. Circumpolar Active Layer Monitoring: A Short Overview. *DUE Permafrost 2014 workshop 11-13 February 2014, Frascati, Italy*.
- Shiklomanov N.I., Streletskiy, D.A., Swales T. 2014. Arctic cities and climate change: climate-induced changes in stability of Russian urban infrastructure built on permafrost. *EGU General Assembly, 27 April – 2 May, 2014, Vienna, Austria*.
- Grebenets V.I. and Streletsky D.A. 2013. Human-Modified Permafrost Complexes in Urbanized Areas of the Russian North. *AGU 2013 Annual Meeting, San Francisco*.

- Shiklomanov N., Ortung R., Streletskiy D, Laruelle M. 2013. Building a Research Network for Promoting Arctic Urban Sustainability in Russia. *AAG 2013 Annual Meeting, Los Angeles.*
- Shiklomanov N.I. and Streletskiy, D.A. 2013. Circumpolar Active Layer Monitoring (CALM) program: The Past Present and Future of Long-Term Active Layer and Near-Surface Permafrost Observations. *International Conference "Earth Cryology: XXI century", Sep 29- Oct 3, Puschino, Russia.*
- Shiklomanov N.I., Streletskiy, D.A., Nelson, F.E., Little J.D. 2013. Isotropic Thaw Subsidence in Natural Landscapes of Northern Alaska. *AGU 2013 Annual Meeting, San Francisco.*
- Streletskiy D. 2013. International Field School on Permafrost in Russia. *AAG 2013 Annual Meeting, Los Angeles.*
- Streletskiy, D.A., Shiklomanov, N.I. 2013. Arctic Urban Sustainability and Permafrost. *Arctic Urban Sustainability Conference, May 30-31, 2013, Washington DC.*
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- Sarker T. 2020. MS Thesis. Role of Climatic and Non-climatic factors on Land Use and Land Cover Change in the Arctic: A Comparative Analysis of Vorkuta and Salekhard. MS Thesis. The George Washington University. 83 p.
- Suter L. 2018. MS Thesis. Climate Change Impacts on Arctic Infrastructure: Lifecycle & Damage Repair Costs in the Circumpolar Region
- Melvin F. 2017. MS Thesis. Determining the Drivers of Alaskan Inuit Migration: An Interdisciplinary Approach

AWARDS AND HONORS

- 2021 GW OVPR Early Career Researcher Award;
- 2018 GW CCAS Award for Excellence in Graduate Faculty Mentoring;
- 2008 Research Assistant of the year, Geography Department, University of Delaware;
- 2007 Association of American Geographers Cryosphere Group R.S. Tarr Award;
- 2004 Univ. of Delaware Fellowship;
- 2004 Russian Presidential Award for Study Abroad;
- 2003 Lomonosov Student Best Presentation Award, Moscow State University.

UNIVERSITY SERVICE

- 2015-2022 Member, IERES Institute for European, Russia, and Eurasian Studies, Elliott School
- 2015-2022 Member, Center for Urban & Environmental Research, CCAS
- 2014-2015 Dean's Res Chair Review, Columbian College of Arts and Sciences
- 2018-2019 Dean's Res Chair Review, Columbian College of Arts and Sciences
- 2018-2022 Undergraduate Environmental and Sustainability Science major advisor, Dept of Geography
- 2021-2022 Environmental Studies Alumni Panel Organizer, Dept of Geography
- 2015-2018 Speaker Series Coordinator, Dept of Geography
- 2021-2022 Search committee, Environmental Politics and Policy, Elliott School

2021-2022 Research Advisory Council (faculty elected position), Columbian College of Arts and Sciences

2021-2022 Advisory Council on Research, OVPR GWU

PROFESSIONAL SERVICES

Leadership: US Permafrost Association, President Elect (2018), President (2019), Past President (2020); Global Terrestrial Network on Permafrost, Chair (2015-2022);

Conferences: Chair/convener/session organizer: Association of American Geographers (2012-2020); American Geophysical Union (2015-2022), Japanese Geophysical Union (2019-2022), International and Regional Permafrost Conferences (2008-2022)

Editorial board: Focus in Geography (2016-2022), Polar Geography (2017-2022); guest editor Geography, Environment, Sustainability (2021), Ambio (2022)

Reviewer: The Cryosphere (2016,2017), Environmental Research Letters (2015-), Geomorphology (2015), Global and Planetary Change (2016), Permafrost and Periglacial Processes (2013-), Polar Geography (2013-), Proceedings of the International Conference on Permafrost (2008,2012,2016), Remote Sensing of Environment (2016, 2017), Water Resources Research (2013/14), UNEP Frontiers (2018), Nature Communications (2021), Cold Regions Science and Technology (2021), Scientific Reports (2021)

Proposals: NSF Division of Earth Sciences (2013), Austrian Science Fund (FWF, 2017), Hydrological Science (2020)

AFFILIATIONS

US Permafrost Association; Global Terrestrial Network on Permafrost; Association of Polar Early Career Scientists, Association of American Geographers; American Geophysical Union; American Geographical Society

MEDIA APPEARANCES

Interviews:

SKY NEWS UK: <https://news.sky.com/video/share-12513857>

Washington Post: <https://www.washingtonpost.com/climate-environment/2022/01/11/permafrost-melting-arctic/>

REUTERS: <https://www.reuters.com/markets/commodities/climate-fueled-permafrost-thaw-threatens-up-half-arctic-infrastructure-report-2022-01-11/>

NEW YORKER: <https://www.newyorker.com/magazine/2022/01/17/the-great-siberian-thaw>

WIRED: <https://www.wired.com/story/humanity-has-turned-land-itself-into-a-menace/>

SCIENCE: <https://www.science.org/content/article/russia-s-new-permafrost-monitoring-system-could-improve-climate-models-protect>

BBC: <https://www.bbc.co.uk/sounds/play/m00139d4?fbclid=IwAR05zc0X7W8E6s-HhF7E0trwci9-wjdpowB0tVgYK90yzYQRSVZ1oMLIegc> (starts at min 32)

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BLOOMBERG: <https://www.bloomberg.com/news/articles/2020-06-04/russia-declares-state-of-emergency-over-arctic-city-fuel-spill> Yulia Fedorina, June 4 , 2020 (ENG)

ARCTIC TODAY: <https://www.arctictoday.com/the-massive-norilsk-fuel-spill-could-be-linked-to-permafrost-thaw-a-growing-threat-to-arctic-infrastructure/> Melody Schreiber June 8, 2020 (ENG)

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BBC: <https://www.bbc.com/russian/features-53077398> by Maria Kisileva June 21, 2020 (RUS)

Sueddeutsche: <https://www.sueddeutsche.de/wissen/klimawandel-permafrost-russland-norilsk-1.4944524> by Silke Bigalke, June 22, 2020 (GER)

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https://www.citylab.com/environment/2018/05/the-race-to-save-arctic-cities-as-permafrost-melts/559307/?utm_source=fb

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