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EDUCATION

PhD University of Delaware (*Climatology*) 2010

MS Moscow State University (*Geography*) 2005

BS Moscow State University (*Geography*) 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

RESEARCH GRANTS:

Current

- 2021-2026:** NSF, **Co-PI:** “*NNA Collaboratory: Collaborative Research: Arctic Cities: Measuring Urban Sustainability in Transition (MUST)*”
- 2021-2024:** NSF, **PI/PD:** “*Collaborative Research: NNA Track 1: Navigating Convergent Pressures on Arctic Development (CPAD)*”
- 2021-2023:** The Belmont Forum, **PI/PD:** “*Belmont Forum Collaborative Research: Coastal OceAn SusTainability in Changing Climate*”.
- 2021-2023:** The Belmont Forum, **PI/PD:** “*Belmont Forum Collaborative Research: Rapid Arctic environmental Changes: implications for well-being, resilience and Evolution of Arctic communities (RACE)*”.
- 2019-2024:** NSF, **Co-PI:** “*NNA: Collaborative Research: The Circumpolar Active Layer Monitoring Network-CALM V (2019-2024): Long-term Observations on the Climate-Active Layer-Permafrost System*”
- 2017-2021:** The Belmont Forum, **PI/PD:** “*ARCTIC-ERA (ARCTIC climate change and its impact on Environment, Infrastructure and Resource Availability)*”
- 2015-2021:** The Belmont Forum, **PI/PD:** “*ARCTIC-ERA (ARCTIC climate change and its impact on Environment, Infrastructure and Resource Availability)*”.
- 2015-2022:** NSF, **Co-PI:** “*PIRE: Promoting Urban Sustainability in the Arctic*”

Previous

- 2018:** Duke Energy Renewables Innovation Fund, Co-PI: “*Evaluating the Ecosystem of Microgrids in the Arctic and Developing Countries*”
- 2016:** GWU DICE, Co-PI: “Evaluating Green House Gas Emissions In Urban And Arctic Environments”
- 2016:** GWU UFF, Co-PI “Promoting Urban Sustainability in American Cities”
- 2014:** GWU UFF, PI “Evaluating Active Layer Using Spatial Statistics Techniques”
- 2014-2018:** NSF Office of Polar Programs, Co-PI: The Circumpolar Active Layer Monitoring Network-CALM IV (2014-2018): Long-term Observations on the Climate-Active Layer-Permafrost System
- 2012-2015:** NSF Office of Polar Programs, Principal Investigator/Project Director: Collaborative Research: Interactions between air temperature, permafrost and hydrology in the high latitudes of Eurasia
- 2012-2015:** NSF Office of Polar Programs, Co-PI: RCN-SEES: Building a Research Network for Promoting Arctic Urban Sustainability in Russia

2012-2015: Norwegian Research Council, Co-PI: Arctic Urban Sustainability (ARCSUS) in Russia

PEER-REVIEWED PUBLICATIONS

- Hjort Jan, **Dmitry Streletskeiy**, Guy Dore, Qingbai Wu, Kevin Bjella and Miska Luoto. 2022. Impacts of permafrost degradation on infrastructure. *Nature Reviews Earth & Environment*, DOI : 10.1038/s43017-021-00247-8
- Streletskeiy D.A.**, Maslakov A.A., Streletskaia I.D., Nelson F.E. Permafrost Regions In Transition: Introduction. *GEOGRAPHY, ENVIRONMENT, SUSTAINABILITY*. 2021;14(4):6-8. <https://doi.org/10.24057/2071-9388-2021-081>
- Grebennets V.I., Tolmanov V.A., Streletskeiy D.A. Active Layer Dynamics Near Norilsk, Taimyr Peninsula, Russia. *GEOGRAPHY, ENVIRONMENT, SUSTAINABILITY*. 2021;14(4):55-66. <https://doi.org/10.24057/2071-9388-2021-073>
- Porfiriev, B.N., D.O. Elisseev and **D.A. Streletskeiy**. 2022. Economic Assessment of Permafrost Degradation Effects on Healthcare Facilities in the Russian Arctic. *Herald of the Russian Academy of Sciences*, Vol. 91, No. 6, pp. 677–686. © Pleiades Publishing, Ltd., 2021. Russian Text © The Author(s), 2021, published in *Vestnik Rossiiskoi Akademii Nauk*, 2021, Vol. 91, No. 12, pp. 1125–1136.
<https://link.springer.com/article/10.1134/S1019331621060113>
- Smith S. L., Romanovsky V.E., Isaksen K, K.E. Nyland, A. L. Kholodov, N. I. Shiklomanov, **D. A. Streletskeiy**, L. M. Farquharson, D. S. Drozdov, G. V. Malkova, and H. H. Christiansen. 2021. Permafrost [in "State of the Climate in 2020"]. *Bulletin of the American Meteorological Society*, 102(8), S265–S269, <https://doi.org/10.1175/BAMS-D-21-0086.1>
- Noetzli J., H. H. Christiansen, F. Hrbacek F, K. Isaksen, S. Smith, L. Zhao, and **D. A. Streletskeiy**. 2021: Permafrost thermal state [in "State of the Climate in 2020"]. *Bulletin of the American Meteorological Society*, 102(8), S42–S44, doi:10.1175/BAMS-D-21-0098.1
- Wolken G. J., A. K. Liljedahl, M. Brubaker, J. A. Coe, G. Fiske, H. Hvidtfeldt Christiansen, M. Jacquemart, B. M. Jones, A. Kääb, F. Løvholt, S. Natali, A. C. A. Rudy, and **D. A. Streletskeiy**. 2021. Glacier and Permafrost Hazards. *Arctic Report Card*. DOI: 10.25923/v40r-0956
- Nyland, K. E., Shiklomanov, N. I., **Streletskeiy, D. A.**, Nelson, F. E., Klene, A. E., & Kholodov, A. L. 2021. Long-term Circumpolar Active Layer Monitoring (CALM) program observations in Northern Alaskan tundra. *Polar Geography*, 1-19.
<https://doi.org/10.1080/1088937X.2021.1988000>
- Boike, Julia; Chadburn, Sarah; Martin, Julia; Zwieback, Simon; Althuizen, Inge; Anselm, Norbert; Cai, Lei; Coulombe, Stéphanie ; Lee, Hanna; Liljedahl, Anna; Schneebeli, Martin; Sjöberg, Ylva; Smith, Noah; Smith, Sharon; **Streletskeiy, Dmitry** ; Stuenzi, Simone; Westermann, Sebastian; Wilcox, Evan. 2021. Standardized monitoring of permafrost thaw: a user-friendly, multi-parameter protocol. *Arctic Science* <https://doi.org/10.1139/AS-2021-0007>
- Bouffard T.J., Uryupova E., Dodds K., Romanovsky V.E., Bennett A.P., **Streletskeiy D.** 2021. Arctic Scientific Cooperation - Supporting Circumpolar Permafrost Monitoring and Data Sharing. *Land* 2021, 10(6), 590; <https://doi.org/10.3390/land10060590> Translated to

Russian and reprinted in *Arktika i Sever [Arctic and North]*, 2021, no. 45, pp. 184–208.

DOI: 10.37482/issn2221-2698.2021.45.184

Porfiriev, B.N., D.O. Elisseev and **D.A. Streletskeiy**. 2021. Economic Assessment of Permafrost Degradation Effects on the Housing Sector in the Russian Arctic. *Herald of the Russian Academy of Sciences*, 2021, Vol. 91, No. 1, pp. 17–25, DOI: 10.1134/S1019331621010068. Russian Text ©The Author(s), 2021, published in *Vestnik Rossiiskoi Akademii Nauk*, 2021, Vol. 91, No. 2, pp. 105–114.

Streletskeiy D. 2021. Permafrost Degradation. Snow and Ice-Related Hazards, Risks, and Disasters. In: Haeberli W. and Whiteman C. (ed.). Oxford, Elsevier,
<https://doi.org/10.1016/B978-0-12-817129-5.00021-4>

Shiklomanov NI, **Streletskeiy DA**, Suter L., Zamyatina N., Orttung B. 2020. Dealing with the bust in Vorkuta, Russia. *Land Use Policy* 93, 103908,
<https://doi.org/10.1016/j.landusepol.2019.03.021>

Romanovsky V.E., S. L. Smith, Isaksen K, K.E. Nyland, A. L. Kholodov, N. I. Shiklomanov, **D. A. Streletskeiy**, L. M. Farquharson, D. S. Drozdov, G. V. Malkova, and H. H. Christiansen. 2020. Terrestrial Permafrost [in "State of the Climate in 2019"]. *Bulletin of the American Meteorological Society*, 101 (8), S265–S269, <https://doi.org/10.1175/BAMS-D-20-0086.1>.

Noetzli J., H. H. Christiansen, K. Isaksen, P. Schoeneich, S. Smith, L. Zhao, and **D. A. Streletskeiy**. 2020: Permafrost thermal state [in "State of the Climate in 2019"]. *Bull. Amer. Meteor. Soc.*, 101 (8), S34–S36, <https://doi.org/10.1175/BAMS-D-20-0104.1>.

Vasiliev, A, Drozdov, D, Gravis, A, Malkova, G, Nyland, K, **Streletskeiy, D.** 2020. Permafrost Degradation in the Western Russian Arctic". *Environmental Research Letters* 15, 4, 45001, doi: 10.1088/1748-9326/ab6f12

Porfiriev, B.N., D.O. Elisseev and **D.A. Streletskeiy**. 2020. Economic Assessment of Permafrost Degradation Effects on Road Infrastructure Sustainability under Climate Change in the Russian Arctic. *Herald of the Russian Academy of Sciences* 89(6), 567-576, doi.org/10.1134/S1019331619060121. Russian Text © The Author(s), 2019, published in *Vestnik Rossiiskoi Akademii Nauk*, 2019, Vol. 89, No. 12, pp. 1228–1239

Vasiliev AA, AG Gravis, AA Gubarkov, DS Drozdov, Yu V Korostelev, GV Malkova, GE Oblogov, OE Ponomareva, MR Sadurtdinov, ID Streletskaya, **DA Streletskeiy**, EV Ustinova, RS Shirokov. 2020. Permafrost Degradation: Results of the Long-Term Geocryological Monitoring in the Western Sector of Russian Arctic. *Earth's Cryosphere* 24(2), 14-26, DOI: 10.21782/EC2541-9994-2020-2(14-26)

Romanovsky V.E., S. L. Smith, Isaksen K, N. I. Shiklomanov, **D. A. Streletskeiy**, A. L. Kholodov, H. H. Christiansen, D. S. Drozdov, G. V. Malkova, and S. S. Marchenko. 2019. Terrestrial Permafrost [in "State of the Climate in 2018"]. *Bulletin of the American Meteorological Society*, 100 (9), S153–S156,

Noetzli J., B. K. Biskaborn, H. H. Christiansen, K. Isaksen, P. Schoeneich, S. Smith, G. Vieira, L. Zhao, and **D. A. Streletskeiy**. 2019: Permafrost thermal state [in "State of the Climate in 2018"]. *Bull. Amer. Meteor. Soc.*, 100 (9), S21–S23, doi:10.1175/2019BAMSSStateoftheClimate.1.

Suter L., **Streletskeiy D**, Shiklomanov N. 2019. Assessment of the Costs of Climate Change Impacts on Critical Infrastructure in the Circumpolar Arctic. *Polar Geography* 42(4), 267-286, 10.1080/1088937X.2019.1686082

- 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., Etzelmüller, B., Grosse, G., Guglielmin, M., Ingeman-Nielsen, T., Isaksen, K., Ishikawa, M., Johansson, 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 Streletsakiy**, 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
- Streletskaia I., Vasiliev A., Oblogov G, **Streletskiy D.** 2018. Methane Content in Ground Ice and Sediments of the Kara Sea Coast. *Geosciences* 8 (12), 434, doi:10.3390/geosciences8120434
- 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
- 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. 2018. Terrestrial Permafrost [in "State of the Climate in 2017"]. *Bulletin of the American Meteorological Society* 99(8):S161-165. doi:10.1175/2018BAMSStateoftheClimate.1.
- Nötzli, J, Christiansen H.H., Deline P., Gugliemin, 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
- Romanovsky V.E., S. L. Smith, I. Shiklomanov, **D. A. Streletskiy**, K. Isaksen, N. , A. L. Kholodov, H.H. Christiansen, D. S. Drozdov, G. V. Malkova, and S. S. Marchenko. 2017. Terrestrial Permafrost [in "State of the Climate in 2016"]. *Bulletin of the American Meteorological Society*

- 98(8):147-149. <http://dx.doi.org/10.1175/2017BAMSSStateoftheClimate.1>.
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- Shiklomanov, N. I., **Streletskei, 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
- Streletskei, 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. Streletskei**, , 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., **Streletskei, 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
- Streletskei, 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
- Streletskei, 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
- Streletskei, 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.
- Sherstiukov A. and **Streletskei 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., Rumyantseva Y., Malkova G., Romanovsky V., Abramov A., Konstantinov P., Sergeev D., Shiklomanov N., Kholodov A., Ponomareva O., **Streletskei 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.
- Romanovsky V.E., S. L. Smith, H. H. Christiansen, N. I. Shiklomanov, **D. A. Streletskei**, D. S. Drozdov, G. V. Malkova, N. G. Oberman, A. L. Kholodov, and S. S. Marchenko. 2015. Terrestrial Permafrost [in "State of the Climate in 2014"]. *Bull. Amer. Meteor. Soc.*, 96 (7), S139-S141
- Touyz J., **Streletskei D.A.**, Nelson F.E., Apanasovich T.V. 2015. A Spatio-Temporal Framework for Modeling Active Layer Thickness. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Vol. II-4/W2*, 199-206
- Biskaborn, B. K., Lanckman, J.-P., Lantuit, H., Elger, K., **Streletskei, D. A.**, Cable, W. L., and Romanovsky, V. E. 2015. The new database of the Global Terrestrial Network for Permafrost (GTN-P). *Earth Syst. Sci. Data*, 7, 1–15, doi:10.5194/essd-7-1-2015

- Anisimov O.A. and **Streletskiy D.A.** 2015. Geocryological Hazards of Thawing Permafrost. *Arktika XXI Century* 2(3), 60-74 (in Russian)
- 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
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- Grebennets, V., **Streletskiy, D.**, Shiklomanov, N. 2012. Geotechnical safety issues in the cities of Polar Regions. *Geography, Environment, Sustainability Journal*, 5(3), 104-119. DOI: 10.24057/2071-9388-2012-5-3-104-119
- Klene, A.E., Yoshikawa, K., **Streletskiy, D.A.**, Shiklomanov, N.I., Brown, J., Nelson, F.E. 2012. Temperature Regimes in Traditional Iñupiat 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.
- Shiklomanov N.I., **Streletskiy, D.A.**, Nelson F.E. 2012. Northern Hemisphere Component of the Global Circumpolar Active Layer Monitoring (CALM) Program. *Proceedings of the 10th International Conference on Permafrost, Salekhard, Russia, June 25 - 29, 2012*, Vol.1, 377-382.
- Streletskiy, D.A.**, Shiklomanov N.I., Grebenets V.I. 2012. Changes of foundation bearing capacity due to climate warming in Northwest Siberia. *Earth's Cryosphere* 16(1), 22-32. (in Russian, abstract in English)
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- Streletskeiy, 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.
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- Tolmanov V., Suter L., Grebennets V., Streletskeiy D., Shiklomanov 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
- Streletskeiy 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)
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- 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.
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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)

BLOOMBERG: <https://www.bloomberg.com/news/articles/2021-11-13/russian-scientists-have-a-mammoth-plan-to-fight-arctic-warming> Evgenia Pismennaya and Yuliya Fedorinova, Nov 13, 2021 (ENG)

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)

SPGGLOBAL: <https://www.spglobal.com/platts/en/market-insights/latest-news/natural-gas/060920-feature-arctic-oil-drilling-under-scrutiny-after-latest-russian-spill> Rosemary Griffin June 9, 2020 (ENG)

TAIGA: <https://tayga.info/155897> Ilya Kabanov June 10, 2020 (RUS)

Sole 24 Ore: <https://24plus.ilsole24ore.com/art/ghiaccio-fragile-e-disastro-ambientale-ombre-frontiera-artica-putin-ADkJZfx?s=hpl> Italian economic daily Il Sole 24 Ore by Antonella Scott June 14, 2020 (ITA)

RIA: <https://ria.ru/20200616/1572965097.html?fbclid=IwAR2WyTa8QzMim-fTDrsGlgQo8nUOJfodtgyk4JcXrdZFTDy8WFpOfCp9ow8> Russian Information Agency by Natalia Paramonova June 16, 2020 (RUS)

Arctic: <https://arctic.ru/analitic/20200616/948752.html?fbclid=IwAR1IinK0FKWN95R5JEeN-xz73Mu19oPt-vyBJzT4pg4zTPtXCd9GHs0sLBc> (ENG)

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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.gwhatchet.com/2018/12/06/faculty-turn-to-climate-change-research-after-natural-disasters/>

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<https://wamu.org/story/18/05/23/no-internet-swamp-not-swallowing-white-house/>

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<https://thebarentsobserver.com/en/arctic/2017/01/permafrost-thaw-will-have-devastating-impact-buildings>

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The Weather Chanel, 25 Oct, 2016 Arctic's Melting Permafrost Problem Is Slowly Destroying Russian Cities By Sean Breslin <https://weather.com/news/climate/news/melting-permafrost-arctic-russia-buildings-destroyed>

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The Guardian, October 14, 2016. Slow-motion wrecks: how thawing permafrost is destroying Arctic cities by Alex Luhn https://www.theguardian.com/cities/2016/oct/14/thawing-permafrost-destroying-arctic-cities-norilsk-russia?CMP=twt_a-environment_b-gdneco

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Wired UK, October, 3, 2014. "Siberia's deep mystery" by Sophia Epstein <http://www.wired.co.uk/magazine/archive/2015/02/start/siberia-deep-mystery>

Barents Observer, July, 15, 2014. "The 2014 International Field School in Siberia this July studies the effects of permafrost thaw on Russian cities" by Amelia Jaycen <http://barentsobserver.com/en/society/2014/07/permafrost-thaw-cracks-urban-infrastructure-students-dig-15-07>

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EnergyWire 30 Jan,2013. Thawing permafrost jeopardizes massive maze of Russian pipelines by Blake Sobczak <http://www.eenews.net/energywire/2013/01/30/stories/1059975505>

TV Puschino 7 Oct, 2013. Theory and practice of permafrost research by Diana Larionova (Russia)

GW Today, 10 Dec, 2012. GW Researchers Gain Northern Exposure

<http://gwtoday.gwu.edu/gw-researchers-gain-northern-exposure>

Videos and Documentaries:

National Geographic Channel (2016): The Strange Truth: ALASKAN APOCALYPSE (USA)

Arctique, la conquête glaciale (2014) by Tania Rakhmanova (France)