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## EDUCATION

MS in Geography, 2005

Moscow State University, Moscow, Russia

Thesis: Spatial and Temporal Regularities of Permafrost Active-layer Formation on the North Slope of Alaska

Thesis advisors: Nelli V. Tumel', PhD

BS in Geography, 2003

Moscow State University, Moscow, Russia

Thesis: Variability of  $\delta^{18}\text{O}$  in Glaciological and Cryolithological Objects of West Spitsbergen Island

Thesis advisors: Vladimir N. Golubev, PhD

Sergey Arkhipov, PhD

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## AWARDS AND HONORS

Moscow State Univ. Graduation Gold Medal, 2005

Univ. of Delaware Fellowship, 2004

Moscow State Univ. Graduation Gold Medal, 2003

Russian Presidential Award for Study Abroad, 2003

Lomonosov Student Best Presentation Award, 2003

"Grant of Moscow" ISSEP, 2002, 2003

Chevron OilGas Inc. Fellowship, 2002

Soros Student Fellowship, 2001

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## RESEARCH EXPERIENCE

1. Circumpolar Active-Layer Monitoring Program, 2005-present, Research Assistant
2. INTAS 01-2332 Arctic coastal dynamics of Eurasia: classification, modern state and protection of its development based on GIS technology, April 2002 - April 2005,

Research Assistant

3. The Otto Schmidt Laboratory for Polar and Marine Sciences (OSL) OSL-02-11 “The Laptev and East Siberian Seas coastal erosion database dynamics, classification, sedimentation, sediment and organic carbon content” Jan-2003 – Dec-2003, Research Assistant
4. INTAS 97-0484 “Late Pleistocene history reconstruction based on the massive ground ice origin in the Arctic coastal zone, Nov-1998 – Nov 2001”, Research Assistant
5. Project of Leading Scientific Schools 00-1598505: "Spatial and Temporal Regularities of Cryogenic Strata and Formation of Natural Ice on Earth", May 2002 - December 2002, Research Assistant
6. RFBI 98-05-65061 “Activation of Cryogenic Processes and Dynamics of Tundra Landscapes in Regions of Saline Permafrost Sediments (Yamal Peninsula), 1998-2000, Research Assistant
7. Russian Government Federal Program “Government Support of Integration of Higher Education and Fundamental Science for 1997-2000”. Project “Modern Field and Analytical Methods of Permafrost Investigations in the Russian Arctic: development, adaptation, and integration with the learning process”, 1999-2000, participant

#### **FIELD EXPERIENCE** (Project, Year, Unit)

1. Circumpolar Active Layer Monitoring (CALM) project. North Slope of Alaska. (2004, 2005, 2006) Univ. of Delaware, Newark.
  2. Stable Isotope and Geophysical Investigations of Shokalskiy Glacier, Novaya Zemlya Island (2003). Institute of Geography RAS, Moscow.
  3. Redistribution of Stable Isotopes in Cryosphere objects, Svalbard (2002). Institute of Geography RAS, Moscow.
  4. Complex Glaciological Investigation of Elbrus Region, Central Caucasus (2001), Moscow State Univ, Moscow.
  5. Complex Geocryological and Landscape Investigation. Norilsk Region, Enisey Delta and Taimyr Peninsula (2001). Moscow State Univ, Moscow.
  6. CALM project. Yamal Peninsula (2000), Earth Cryosphere Institute, Tumen.
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#### **PUBLICATIONS AND PRESENTATIONS**

1. Shiklomanov N.I, Nelson F.E., Streletskiy D.A., Klene A. and Schimek M. 2006. Long-term Active Layer and Ground Surface Temperature Trends: Results of 12 Years of Observations at Alaskan CALM Sites. Presentation at AGU Fall Meeting, San Francisco.
2. Streletskiy D.A., Klene A.E., Shiklomanov N.I, Nelson F.E. 2006. Air and Ground Surface Temperature Monitoring in Arctic Foothills of Alaska. *Abstracts of the Asian Conference on Permafrost, Lanzhou, China, August 7-9, 2006*, p.165
3. Vasiliev A, Simonov S, Streletskiy D. 2006. The Permafrost Response to Climate Change (Western Yamal Example). *Proceedings of the International Conference on Earth Cryosphere Assessment: Theory, Applications and Prognosis of Alterations*, Tumen State Oil-Gas University Press, Vol. 1., p.62-65
4. Streletskaya I.D., Shpolanskaya N.A., Streletskiy D.A. 2006. Structure and Genesis of Cenozoic Sediments in the Western Part of Yamal Peninsula. *Proceedings of Int. Conf:*

- Earth Cryosphere Assessment: Theory, Applications and Prognosis of Alterations*, Tumen State Oil-Gas University Press, Vol.2, p.56-59.
5. Streletskiy D.A., Klene A.E., Shiklomanov N.I. 2006. Effects of Tundra Vegetation on the Ground Thermal Regime and Active-Layer Thickness, North-Central Alaska. AAG 2006 Annual Meeting, Chicago.
  6. Streletskiy, D.A., Shiklomanov, N.I., Nelson, F.E. 2005. Spatial and Temporal Variability of Active-layer thickness in North-Central Alaska: Results from CALM's First Decade. *Proceedings of the 2<sup>nd</sup> European Conference on Permafrost, June 12-June 16, 2005, Potsdam, Germany*, TERRA NOSTRA, p. 150
  7. Shiklomanov N.I., Zhang, T., Streletskiy, D.A., Nelson, F.E. 2005. Assessment of the Circumpolar Active Layer Monitoring (CALM) Network as a Validation Tool for Spatial Permafrost Models. *Proceedings of the 2<sup>nd</sup> European Conference on Permafrost, June 12-June 16, 2005, Potsdam, Germany*, TERRA NOSTRA, p. 149
  8. Arzamastseva, V.V., Streletskiy D.A. 2005. Reaction of Cryosphere Objects on Global Climate Change and Local Technogenic Impacts in Atlantic-Eurasian Sector of Arctic. *Proceedings of the 2<sup>nd</sup> European Conference on Permafrost, June 12-June 16, 2005, Potsdam, Germany*, TERRA NOSTRA, p. 118-119
  9. Streletskiy D.A., Shiklomanov N.I., Nelson F.E. 2005. *Monitoring of Thaw Settlement Using a Differential Global Positioning System Approach*. Proceedings of the 3<sup>rd</sup> Conference of Russian Geocryologists. Moscow State University Press. Issue 2, Vol. 3: Dynamic Geocryology, p. 163-169. (In Russian, abstract in English)
  10. Streletskiy 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, Permafrost, Vol.2: A.A. Balkema Publishers: 1117-1122
  11. Streletskiy D.A. 2003. Variability of  $\delta^{18}\text{O}$  in Glaciological and Cryolithological Objects of Spitsbergen. *Abstracts Int. Conf. of students and post-graduates on fundamental sciences «Lomonosov-2003», section geography, Moscow*, Moscow State Univ. Press., p.124.
  12. Kraev G.N., Streletskiy D.A. 2003. *Geoecological Features of Seasonal Freezing in the Central Part of the East European Plain*. Sergievskie Chteniya. Vol.5. Proceedings of Annual Session of Science Council RAS on Geoecology, Engineering Geology and Hydrogeology, Moscow, GEOS Press, pp114-118
  13. Ermohina K.A. & Streletskiy D.A. 2003. Seral Changes of Vegetation and Geochemical Trends Formed Due to Cryogenic Landslides. *Abstracts International Conference "Earth Cryosphere as a Habitat and an object for nature Management". Pushchino, Russia, 19 – 21 May 2003*, pp. 134-135
  14. Streletskiy, D.A. and Rogov, V.V. 2002. Migration Dynamics of Chemicals During Extreme Cryogenic Processes. In: *Abstracts Int. Conf. "Extreme Phenomena in the Cryosphere: Basic and Applied Aspects". Pushchino, Russia*, p.308.
  15. Borisov, R.R., Genadieva, A.A., Golubchikov, M.Y., Kutuzov, S.S., Miheev, A.A., Petrasova, M.V., Podolskiy, E.A., Stoykin, P.A., Streletskiy, D.A., and Abramov, A.A. 2002. Avalanche Regime in the Central Caucasus in Winters with Different Snow Cover. In: *Abstracts Int. Conf. of students and post-graduates on fundamental sciences «Lomonosov-2002», section geography, Moscow*, Moscow. State. Univ. Press, p.137. (In Russian)
  16. Streletskiy, D.A. 2002. Dynamics of Chemical Migration in the Layer of Cryogenic Supergeneration (as Inferred from Data of Stationary Studies at the Western Yamal Peninsula). In: *Abstracts Int. Conf. of Students and Post-graduates on Fundamental*

- Sciences «Lomonosov-2002», Section Geography, Moscow: Moscow. State. Univ. Press, p.102. (In Russian)*
17. Kashtanov, A.S., Lavrentev, I.I., Miheev, A.A., Streletskiy, D.A., Abramov, A.A., and Babaev, D.Y. 2001. The Study of Nival-glacial Processes and Seasonal Freezing in Winter within the Snow Cover in the Elbrus Region. *In: Abstracts Int. Conf. of Students and Post-graduates on Fundamental Sciences «Lomonosov-2001», Section Geography, Moscow: Moscow. State. Univ. Press, p.138 (In Russian).*
  18. Babaev, D.Y., Miheev, A.A., Perednya, D.D., and Streletskiy, D.A. 2001. The Study of Seasonal Freezing in the Northern Kaluga Region. *In: Abstracts Int. Conf. of Students and Post-graduates on Fundamental Sciences «Lomonosov-2001», Section Geography, Moscow: Moscow. State. Univ. Press, p.139 (In Russian).*
  19. Grebenets, V.I., Ukraintseva, N.G., and Streletskiy, D.A. 2001. Effect of Dissolved Solids Content in the Layer of Active Cryogenic Diagenesis on the Durability of Structures. *In: Abstracts Int. Conf. «Conservation and transformation of matter and energy in the earth's cryosphere», Pushchino, pp.105-106.*
  20. Streletskaya, I.D., Ukraintseva, N.G., Drozdov, I.D., Streletsky, D.A., and Leibman, M.O. 2001. Distribution of Massive Ground Ice in the Arctic and Review of Views on Its Origin. *Abstracts 1<sup>st</sup> European Permafrost Conference, Rome, March 26-28, 2001, pp.44.*
  21. Streletskiy, D.A. 2001. Engineering, Geocryological and Physiognomic Features of the Seasonally Frozen Layer. *In: Scientific Practical Seminar «Geocryological and Geoenvironmental Problems of Construction in the Northernmost Regions», March 15-17, 2001, Norilsk, pp.143-145 (in Russian).*
  22. Streletskiy, D.A. 2000. Nenets Rhapsody. «Moscow University» newspaper, №44-45 (3931), December, p.8 (in Russian).
  23. Streletskiy, D.A. 1998. The Study of Iron Sulfide Nodules from the Carboniferous Coals of the Moscow Basin. *Transactions Vernadsky Junior Readings, Vol. Nat. Sci., Moscow: DNTTM, pp.378-393 (in Russian).*
  24. Korostelev, M. and Streletskiy, D. 1998. Karst of the Lago-Naki Plateau and Azish Range (Northwestern Caucasus). *Proc. Conf. «Poisk-97». Moscow, 1998, pp.80-82 (in Russian).*
  25. Streletskiy, D.A. 1996. Lizehang's Circles. Almanac «Ten Years of DNTTM», Moscow, pp.41-47 (in Russian).
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## **AFFILIATIONS**

Association of American Geographers, member  
Permafrost Young Research Network, member  
University of Delaware Permafrost Group, member