

CURRICULUM VITAE

PERSONAL INFORMATION

Full Name: **Alexey K. Pavlov**
Sex: Male
Citizenship: Russian
Place of birth: Leningrad, USSR
Date of birth: May 27, 1986
Marital status: Single
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PERMANENT ADDRESS

2008 - present Engineer (Phys. oceanography)
Ocean - Atmosphere interaction Department,
Arctic and Antarctic Research Institute,
38 Bering St., 199397 St. Petersburg, Russia

EDUCATION

2008 - present Ph.D. student in Physical Oceanography
Title: Oceanographic conditions in West Spitsbergen fjords and Fram Strait
Arctic and Antarctic Research Institute, St.Petersburg, Russia

2003 - 2008 M.Sc. in Physical Oceanography
Title: Investigation of SST fronts spatial variability in the Southern Ocean,
in Austral summer 2007-2008 (based on *in situ* and remote sensing data)
Dept. of Oceanography, Fac. of Geography and Geoecology,
St.Petersburg State University (SPbSU), St.Petersburg, Russia.

2001 - 2003 Lyceum 239 specialized in mathematics and physics,
St.Petersburg, Russia.

ADDITIONAL EDUCATION

International courses at the Baltic University Program (BUP) "The Baltic University":

2007 "The Baltic Sea Region: culture, politics, societies"
2006 "A sustainable Baltic Region"
2005 "The Baltic Sea Environment"

FIELD EXPERIENCE

- 2008 iAOOS (Integrated Arctic Ocean Observing System)
Cruise onboard RV Jan Mayen (Norway);
Norwegian and Greenland Seas, North Atlantic and Arctic Basin;
- 2008 53rd Russian Antarctica Expedition onboard RV Akademik Fedorov;
Indian, Atlantic and Pacific sectors of Southern Ocean;
- 2007 International ALBERT
(Arctic Life: Bridging Ecosystem function using Remote Technologies)
Summer Campaign onboard RV Jan Mayen (Norway);
West Spitsbergen, Greenland Sea, Arctic Basin
- 2006 Svalbard Expedition of Arctic and Antarctic Research Institute (AARI);
Grønfjorden area, Arctic Basin
- 2005 Summer field expedition of dept. of Oceanography,
Marine Biological Station of SPbSU; White Sea, Arctic Basin
- 2006 Summer field expedition of dept. of Oceanography,
Marine Biological Station of SPbSU; White Sea, Arctic Basin

RESEARCH GRANTS

- 2007-2008 "The Otto Schmidt Laboratory" grant (IFM-GEOMAR - AARI).
Title: "Investigations of radiation characteristics
CDOM, and suspended material distribution
in the Arctic seas".
(Principal investigator Dr. A. Makshtas, AARI)
- 2006-2007 "The Otto Schmidt Laboratory" grant (IFM-GEOMAR - AARI).
Title: "Investigations of radiation characteristics
and suspended material distribution
in the sea surface layers of the Laptev and East Siberian seas".
(Principal investigator Dr. A. Makshtas, AARI)
- 2006 The grant of the Russian Federation's Government
(after the winning at Russian Hydrometeorological Contest)

ACHIEVEMENTS

- 2007 Winner of the Russian Hydrometeorological Contest for undergraduates,
Russian State Hydrometeorological University, St.Petersburg, Russia
- 2006 Winner of the Russian Hydrometeorological Contest for undergraduates,
Russian State Hydrometeorological University, St.Petersburg, Russia

INTERNATIONAL EVENTS

- 2007 IPY International Sea Ice Summer School,
2-13 July, 2007, Longyearbyen, Svalbard (Norway)

RESEARCH INTERESTS

- Marine optics;
- Suspended particulate matter in the sea surface layer;
- Surface oceanic fronts (mostly in Southern Ocean);
- Remote sensing of sea surface thermal properties;
- Some aspects of sea ice processes and tsunamis.

COMPUTER SKILLS

Programming: MatLab, Fortran, HTML
Software: ODV, Surfer, Grapher,
Statistica, Autosignal, T_EX

LANGUAGES

English: fluent
Russian: native speaker
French: basic level

SCIENTIFIC PUBLICATIONS

Papers

- Ivanov B.V. & **Pavlov A.K.** "Indirect method of definition of suspended particles concentration in the Gulf of Finland waters". RSHU Proceedings (Russian State Hydrometeorological University), v.7, 2008, pp. 93-101. (in Russian)
- Ivanov B.V., **Pavlov A.K.**, Ørbæk J.B. "Investigations of concentration of suspended particles in Kongsfjorden, Spitsbergen Archipelago". In book: Complex investigations of Spitsbergen nature. Iss. 7. Apatity: Publ. KSC RAS, 2007. pp. 156-164. (in Russian)
- Tretiakov M.V., Golovanov O.F., **Pavlov A.K.**, Priamikov S.M., Ivanov B.V. "Results of integrated oceanographic investigations of Grønfjord (West Spitsbergen) in the summer of 2006". In book: Complex investigations of Spitsbergen nature. Iss. 7. Apatity: Publ. KSC RAS, 2007. pp. 164-177. (in Russian)
- Ivanov B.V. & **Pavlov A.K.** "Spatial and temporal distribution of suspended particulate matter in Kongsfjorden, Svalbard". Abstracts of the international scientific conference: "Contemporary climatic and ecosystem processes in the vulnerable natural zones (arctic, arid, mountainous)", Azov, Russia, 5-8 September 2006, pp. 93-95. (in Russian)

Conferences, workshops, meetings

- **Pavlov A.K.**, Ivanov B.V., Wassmann P.F. & Falk-Petersen S.
"Investigation of suspended particulate matter and coloured dissolved organic matter in the waters to the West of Svalbard".
IMPETUS 2008 Workshop "Techniques in Polar Ocean Observation and Monitoring", St.Petersburg, Russia, 19-22 November 2008.
(Abstract and poster presentation are accepted)
- Ionov V.V. & **Pavlov A.K.** "Synoptical monitoring of spatial and temporal variability of the SST fronts in the Southern Ocean". SCAR IASC Open Science Conference, St.Petersburg, Russia, 9 July 2008.
(Poster presentation in English)
- **Pavlov A.K.** & Ivanov B.V. "Optical measurements in Svalbard fjords". Statoil ARCTOS Research Programme Meeting, VNIIOkeangeologia, St.Petersburg, 4 December 2007. (Oral presentation)
- Vlasenkov R.E., Makshtas A.P., **Pavlov A.K.** "Investigations of radiation characteristics and suspended material distribution in the sea surface layers of the Laptev and East Siberian seas". Abstracts of the international scientific conference: "High latitude seas and marine cryosphere", Arctic and Antarctic Research Institute, St.Petersburg, Russia, 25-27 October 2007. (Poster presentation in Russian)
- Makshtas A., Vlasenkov R., Belchiva N., Charkin A., **Pavlov A.** "Radiation climate of the Laptev and East-Siberian Seas". IUGG XXIVth General Assembly, Perugia, Italy, July 2007.(Poster presentation in English)
- **Pavlov A.K.** "Oceanographic studies in Grøn fjorden, Svalbard". Poster session during IPY International Sea-Ice Summer School, Longyearbyen, Svalbard, 2-13 July, 2007. (Poster presentation)
- **Pavlov A.K.** "Investigations of sea water optical properties in Chupa Bay, White Sea". Abstracts of "VIIIth conference of Marine Biological Station, SPbSU", St.Petersburg, 8 February 2007, p. 41-43. (Poster presentation in Russian)
- **Pavlov A.K.** "Spatial and temporal distribution of suspended particulate matter in Kongsfjorden, Svalbard". Abstracts of scientific conference for students, PhD's and lecturers: "Russia and outward things in geographer's view", SPbSU, St.Petersburg, Russia, 21 April 2006, pp. 322-323. (+ Oral presentation in Russian)
- **Pavlov A.K.** "Contemporary methods of tsunamis forecasting and warning. Tsunamis at South-East Asia 26 December 2004". Abstracts of scientific conference for students, PhD's and lecturers: "Geography at the changing world: young scientist's view", SPbSU, St.Petersburg, Russia, 8 April 2005, pp. 270-272. (+ Oral presentation in Russian)