

**International scientific seminar**  
**“Lake ice and waterbodies’ ecosystem studies”**  
**9-11 October Petrozavodsk**

**Northern Water Problems Institute and University of Helsinki**

Program

**8.10 Monday - arrival of the guests and accommodation (Hotel “Severnaja”)**

**9.10 Tuesday – seminar (NWPI A. Nevskogo-50)**

10.00 Filatov N. “Lake ice and waterbodies’ ecosystem studies in Karelia”

10.20 Arvola Lauri “Winter limnology”

10.40 Leppäranta Matti “Physics of freezing lakes”

11.00 Zhijun Li “Lake research in northern China”

11.00-11.15 break

11.15 Terzhevnik A. “Brief survey of LHP research in last 20+ years”

11.30 Zdrovenov R. “Ice conditions and organization of scientific work on ice-covered lakes”

11.45 Bogdanov S. “Large-scale structure of radiatively – driven convection under ice in early spring”

12.00 Volkov S. “Radiatively driven under-ice convection: fine scale turbulence”

12.30-14.00 Dinner

14.20 Komulainen S., Slastina J. “Winter algae communities in the lakes ecosystems (Republic of Karelia, North Russia)”

14.40 Zobkov M.B., A.V.Ryzhakov, G.S.Borodulina, A.V.Sabylina, I.U.Kravchenko, N.E.Galachina, M.V.Zobkova, T.A.Efremova “Laboratory of the hydrochemistry and hydrogeology: main branches of the scientific researches”

15.10 Manilyuk Yu. V. (Marine Hydrophysical Institute of RAS, Sevastopol), Palshin N.(NWPI, Petrozavodsk) “The study of seasonal fluctuations in the Petrozavodsk lip of Lake Onego”.

**Cultural program**

- 16.00 visit to The National Museum of the Republic of Karelia
- 19.00 visit to the concert at the Philharmonic

large Hall Academy of Early Music. Concert of the XXX Festival of Chamber Art "Autumn Lira". The ensemble of soloists "Academy of Early Music", the head - Tatyana Grindenko. Soloist - Natalia Pavlova (soprano)

**10.10 Wednesday**

10.00 Workshop on the co-operation plan of scientific research and Lammi school

11.00 Lectures for students:

- Introduction on Chinese Bohai Sea Ice Engineering

Zhijun Li, professor

State Key Laboratory of Coastal and Offshore Engineering Dalian University of Technology

- Black Sea investigations

Manilyuk Yu. V.

Marine Hydrophysical Institute of RAS, Sevastopol

**10.10 Wednesday Departure**