Presentations and publications of SITRA project participants.

(underline denoted presenter)

Keynote

The Influence of Ice Structure on Thermo-elastic Waves in Saline Ice
*Marchenko, Aleksey*

Sea Ice

Geometry and Thermo-Mechanical Properties of Coastal Ice in a Micro-Tidal Climate in Svalbard, Part I, Permeability and Geometry
*Blaæsteralen, Bård, David Wrangborg, Aleksey Marchenko, and Knut V. Høyland*

Laboratory Work on Heat Transfer in Submerged Ice, Theory, Experimental Setup and Results
*Chen, Xiaodong and Knut Høyland*

The Tensile Strength of Saline and Freshwater Ice in Field Tests
*Chistyakov, Petr, Evgeny Karulin, Aleksey Marchenko, Alexander Sakharov, and B. Lishman*

Experimental Studies of Fracture Mechanics for Various Ice Types
*Karulina, M., A. Marchenko, A. Sakharov, E. Karulin, and P. Chistyakov*

Physical Mechanisms Limiting Sizes of Pressure Ice Ridges and Model of Ice Rubble Formation
*Marchenko, Aleksey*

Consolidation of Drifting Ice Rubble in the North-West Barents Sea
*Marchenko, Aleksey, Nikolay Diansky, Vladimir Fomin, Nataly Marchenko, and Darja Ksenofontova*
Comparison of Sea Ice Products and Data of Drifting Buoys
Marchenko, Nataliya A.

Stress-Driven Healing of Faults in Saline Ice
Nodder, Stephan T., Erland M. Schulson, and Carl E. Renshaw

Development of an Empirical Probabilistic Forecast Model for Sea Ice Convergence and Pack Pressure Events Offshore Labrador, Canada
Turnbull, Ian D., Rocky Taylor, and Samsur Rahman

Ice on Structures

In-situ Investigations of Ice Deformations and Loads in Indentation Tests
Konstantinova, Marina, Aleksey Marchenko, Marina Karulina, Alexandr Sakharov, Evgeny Karulin, and Petr Chistyakov

Test with L-shaped Cantilever Beam for Complex Shear and Bending Strength
Murdza, Andrii, Aleksey Marchenko, Alexander Sakharov, Peter Chistyakov, Evgeny Karulin, and Marina Karulina