



## **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**

*Blæsterdalen, 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., Erlend 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