

TC216 - FROST

Terms of reference 2010-2013

The TC will continue the work of the previous period (TC8). The objectives are according to ISSMGE guidelines

Objective 1 Disseminate knowledge and practice

1. Organization of conferences, symposium and workshops. TC216 will participate in the organization of a specialty conference during the period. We will investigate if it is possible to re-vitalize the Ground Freezing Symposiums. We will also look into organization of workshops in connection with well-established conferences such as the ASCE Cold Regions Engineering Conference (no date set for the period 2010-2013), ICECORD and regional conferences. In 2012 the International Permafrost Association is organizing the 10th international conference on permafrost in Tyumen, Russia. We will organize a works shop during this conference.
2. Key-note lectures, state-of-the-art lectures
Members will be encouraged to initiate lectures related to frost topics.
3. Participation of ISSMGE individual members
The TC will carry out a survey among previous participants in conferences and projects related to frost geotechnics. We will also contact member societies to access new potential (young) participants within the field.

Objective 2 Guidelines and technical recommendations

1. Collection of available standards.
Standardisation work has started under CEN-TC 227/WG4, Task Group 5, Frost susceptibility. Seppo Saarelainen participates in this work. The TC will collect information from recent work in USA (ASTM has a committee on Frozen soil and Rock), Canada, Russia, China and Japan.
2. Overview of standards, codes and guidelines will be established during the period.
3. Evaluation of similarities and differences will be carried out during the period.
4. Based on the previous items 1-3, guidelines and recommendations for practice will be discussed.

Objective 3 Assist with technical programs of international and regional conferences organized by ISSMGE

The TC will contribute to this objective. At present time, timetable is not available.

Objective 4 Interact with industry and overlapping organizations

1. Cooperate with International Permafrost Associations Work Group for Permafrost Engineering. Several of the TCs members are also member of this group. Re-establish cooperation with organizations working of artificial ground freezing.