1. Record Nr. UNINA9910373898503321 Transportation Soil Engineering in Cold Regions, Volume 2 [[electronic Titolo resource]]: Proceedings of TRANSOILCOLD 2019 / / edited by Andrei Petriaev, Anastasia Konon Singapore:,: Springer Singapore:,: Imprint: Springer,, 2020 Pubbl/distr/stampa 981-15-0454-7 **ISBN** [1st ed. 2020.] Edizione Descrizione fisica 1 online resource (XIX, 502 p. 225 illus., 150 illus. in color.) Collana Lecture Notes in Civil Engineering, , 2366-2557;; 50 Disciplina 624.15136 Soggetti Engineering geology Engineering—Geology **Foundations** Hydraulics Transportation engineering Traffic engineering Geotechnical engineering Geoengineering, Foundations, Hydraulics Transportation Technology and Traffic Engineering Geotechnical Engineering & Applied Earth Sciences Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali International conference proceedings. Nota di contenuto Themes -- Problems of design, construction and operation of transportation infrastructure in Arctic and cold regions -- Methods of geological survey and diagnostics -- Stability of slopes, landslides, debris flows, avalanches and disaster prevention -- Soil dynamics and earthquake engineering -- Geosynthetics in construction and reconstruction of transport facilities -- Geoenvironmental technologies in construction and reconstruction of transport facilities --Geotechnical problems -- Experience in construction and maintenance of subgrade in cold regions -- Artificial ground freezing in transportation -- Pavement problems -- Permafrost dynamics in changing climate and under technogenic impact.

This volume comprises select papers presented during TRANSOILCOLD

Sommario/riassunto

2019. It covers the challenges and problems faced by engineers, designers, contractors, and infrastructure owners during planning and building of transport infrastructure in Arctic and cold regions. The contents of this book will be of use to researchers and professional engineers alike.