

Publications by Arild Palmström

Papers and articles

1. Barkey H. and Palmström A.: *Some results of an engineering geological investigation in the Breiskar discharge tunnel, Norway*. First International Congress of the International Association of Engineering Geology, Paris 1970, pp. 1160 – 1171.
2. Palmström A.: *Karakterisering av oppsprekningsgrad og fjellmassers kvalitet*. (In English: Characterization of jointing density and the quality of rock masses.) Internal report, A.B. Berdal, Norway, 1974, 26 p.
3. Torblaa I., Schieldrop B. and Palmström A.: *Dam Tunsbergdalsvatn, a dam subjected to waves generated by avalanches and to extreme floods from a glacier lake*. Int. Congr. on Large Dams 12 Mexico 1976, Transactions, Vol. III p. 861 -875.
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13. Palmström A.: *Undersjøiske tunnelkryssinger kan være attraktive løsninger sammenlignet med bruer*. (In English: Concept study of the Northern Norway railway extension shows that undersea tunnels may be attractive solutions compared with bridges.) Journal of Våre Veger no. 10, 1984.

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18. Palmström A.: *The volumetric joint count as a measure of rock mass jointing*. Invited lecture at the F3 (Fracture, Fragmentation and Flow) Conference, Jerusalem, 1986, 19 p.
19. Palmström A.: *Grunnundersøkelser for vegtunneler. Kostnadene kan reduseres ved rasjonell geoplanlegging*. (In English: Field investigations for road tunnels. Costs can be reduced by rational geoplanning.) Journal of Våre Veger no. 7, 1986.
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22. Palmström A.: *En praktisk, generell metode for identifisering av bergmasser som grunnlag for sikringsbestemmelse og TBM-inndrift*. (In English: A general, practical method for identification of rock masses to be used in evaluation of rock mass stability conditions and TBM capacities.) National conference Bergmekanikkdagen, Oslo, 1986, pp. 31.1 – 31.31.
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34. Palmström A.: *Forundersøkelser for tunneldrift*. (In English: Preinvestigations for tunnel excavation.) National conference Bergmekanikkdagen, Oslo, 1988, pp. 28.1 – 28.12.
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88. Nilsen B. and Palmstrom A. (2013): *Methodology for predicting and handling challenging rock mass conditions in hard rock subsea tunnels*. Int. conf. on Strait Crossings, Bergen, Norway, 11p.
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90. Olsson R. and Palmström A.: *Critical review of EC7 concerning prescriptive measures for rock mechanics design*. Int. Conf. EUROCK 2014, Vigo, Spain, pp. 1493 - 1498
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94. Palmström A.: *Classification systems and use of geological data*. Int. conf. Tunnels and Climate Change, 12 Iranian Tunnelling Conference, Nov. 2017. 32 p.

Courses and seminars

- A. *Stabilitetssikring av vegtunneler*. (In English: Stability support of road tunnels.) NIF-course: Road tunnels – planning – construction, maintenance, Gol, 1979
- B. *Erfaringer fra injeksjonsarbeider i de to undersjøiske tunnelprosjekter: Vardø-tunnelen og Kårstø-tunnelene*. (In English: Experience from grouting of two subsea tunnel projects: Vardoe tunnel and Kaarstoe tunnels) NIF-course: Grouting of rock, Gol, 1983

- C. *Geologi og grunnforhold for undersjøiske felttunneler i Nordsjøen.* (In English: Geology and ground conditions for subsea tunnels to oilfield.) NIF-meeting in Stavanger, 1985.
- D. *Tetting av vannlekkasjer i undersjøiske tunneler.* (In English: Sealing of water inflows in subsea tunnels) NIF-course: Sealing of rockmasses, Trondheim 1987.
- E. *Standardens innhold og bruk til ingeniørgeologisk prosjektering.* (In English: Use of the Standard in engineering geology) Geotechnical design NS 3480. Kursdagene NTH 1988.
- F. *Rock excavation and reinforcement.* Seminar on Norwegian hydropower experience, India 1990, arranged by Norwegian Export Council.
- G. *Undersjøiske tunneler. Forundersøkelser og funksjonskrav, aktuelle tettestrategier.* (In English: Subsea tunnels. Preinvestigations and functional requirements, actual sealing strategies.) NIF-course: Tetting av tunneler, bergrom og byggegroper (sealing of tunnels, caverns and building pits), 1990.
- H. *Geology in hydropower design and construction.* Seminar on Norwegian hydropower experience, India, 1990, arranged by Norwegian Export Council.
- I. *Arbeidssikring - når skal man bruke hva, og hvilket omfang?* (In English: Work support – when to use how, and which quantity?) NIF-course: Excavation of tunnels and caverns, 1992.
- J. *Muligheter og begrensninger for anvendelse av sprøytebetong til fjellsikring.* (In English: Possibilities and limitations in use of sprayed concrete for rock support.) NIF-course: Sprayed concrete, Gol, 1992.
- K. *En kort innføring i ingeniørgeologi.* (In English: A short introduction into engineering geology.) Course in rockmass construction, for Selmer ASA contractor, 1997
- L. *Klassifikasjon – Forhold som påvirker stabilitet og valg av sikring. Hvordan unngå utilsiktede hendelser.* (In English: Classification, features influencing stability and the choice of support. How to avoid undesired events.) Lesson given at an EVU course in 2006, 2007, 2008, 2009, 2010. 2011, 2012, 2013, 2014, 26 p.