

Luleå University of Technology

Division of Water Resources Engineering

List of publications June 2014

Compiled by Bo Nordell

Reviewed Publications and Books

2014

Borris M., Viklander M., Gustafsson A-M., Marsalek J. (2014) Modelling the effects of changes in rainfall event characteristics on TSS loads in urban runoff. *Hydrological Processes* 28(4):1787-1796.

Cullin, J.R., J.D. Spitler, S. Gehlin. 2014. Suitability of foundation heat exchangers for ground source heat pump systems in European climates. *The REHVA European HVAC Journal*. 51(1). pp. 36-40.

Engström M., Nordell B. (2014). Temperature Driven Groundwater Turnover in Cold Climate. *The Open Hydrology Journal*. Submitted for publication.

Kharseh, M., Nordell, B (2014). The Icy Rider: a vehicle driven by freezing water. *Cold Regions Science and Technology*.(in press)

Lindblom, J., Frishfelds, V., Lundström, T.S. (2014). Modeling Non-isothermal multiphase transport in porous media using the modified Picard method. *Transport in Porous Media* (submitted)

Lindblom, J., Nordell, B. (2014). Condensation Irrigation - Operation simulation and feasibility study. *Agricultural Water Management* (submitted)

Liuzzo Scorpo A., Nordell B., Gehlin S. (2014). Influence of regional groundwater flow on ground temperature around heat extraction boreholes. *Renewable Energy*, Submitted for publication.

Lundberg A . Feiccabrino J., Westerlund C., AL-Ansari N. 2014. Urban snow deposits versus snow cooling plants in Northern Sweden: A quantitative analysis of snowmelt pollutant releases. *Water Quality Research Journal of Canada* 49(1):32-42.

Nordell B. Using Snow and Ice for Thermal Energy Storage. (2014). Chapter 8 in *Advances in thermal energy storage systems: Methods and applications*. Ed. Luisa F. Cabeza. Woodhead Publishing Limited, Cambridge, UK (in Press).

Siergieiev D., Lundberg A., Widerlund A. 2014. Surface water – groundwater interaction in the hyporheic zone of a large hydropower regulated boreal river – directions and rates. *Hydrology Research*. In press doi:10.2166/nh.2013.011

Siergieiev D., Widerlund A., Lundberg A., Collomp M., Drugge L., Ingri J., Öhlander B. 2014. Impact of hydropower regulation on river water geochemistry in Northern Sweden. *Aquatic Geochemistry* 20(1):59-80. doi:10.1007/s10498-013-9215-6

Spitler, J.D., M.Y. Wong, and S.E.A. Gehlin. 2014. Effect of Residential Ground Source Heat Pump System Design on CO2 Emissions in Sweden. *Heat Pump Centre Newsletter* No.2/2014, pp. 25-27.

Stiles L., Nordell B., Snijders A. (2014). Aquifer Thermal Energy Storage. Chapter 5 in *Advances in thermal energy storage systems: Methods and applications*. Ed. Luisa F. Cabeza. Woodhead Publishing Limited, Cambridge, UK. (in Press).

2013

Borris, M., Viklander, M., Gustafsson, A-M. & Marsalek, J. (2013) Simulating future trends in urban stormwater quality for changing climate, urban land use and environmental controls. *Water Science and Technology*. 68:2082-2089.

Feiccabrino, J. Gustafsson, D & Lundberg, A. 2013. Surface-based precipitation phase determination methods in hydrological models. *Hyd. Rec.* 14(1): 44-57. doi:10.2166/nh.2012.158

Sundström N., Gustafsson D., Kruglyak A. & Lundberg A. 2013. Field Evaluation of a Method for Estimating Liquid Water Content and Snow Water Equivalent of Wet Snowpacks with Ground Penetrating Radar. *Hyd. Rec.* 44(4):600-613 doi:10.2166/nh.2012.182

2012

Alakangas, L. Lundberg, A., and Nason . P. 2012 Simulation of pyrite oxidation in fresh mine tailings under near-neutral conditions *J. Environ. Monitoring*14: 2245-2253

Berggren K., Olofsson M., Viklander M., Svensson G., Gustafsson A-M. (2012) Hydraulic impacts on urban drainage systems due to changes in rainfall, caused by climatic change. *Journal of Hydrologic Engineering*. 17, 1, s. 92-98. 7 s.

Feiccabrino, J., Lundberg, A., & Gustafsson, D. 2012. Improving surface based precipitation phase determination through air mass boundary identification. *Hydrology Research*, 43(3), 179-191 . 10.2166/nh.2012.060

Kharseh, M. & Altorkmany, L. (2012). How global warming and building envelope will change buildings energy use in central Europe. *Applied Energy*. 97, Spec. Issue, s. 999-1004 6 s.

Kharseh, M. (2012) Heat Exchangers - Basics Design Applications. Ed. J. Mitrovic, ISBN 978-953-51-0278-6, 598 pages, Publisher: InTech, 2012. DOI: 10.5772/1997. Chap 17. 18 p.

2011

Amara, S. , Nordell, B. , Benyoucef, B. & Benmoussat, A. (2011). Concentration heating system with optical fiber supply. Energy Procedia. 6, p. 805-814.

Amara, S., Nordell, B. & Benyoucef, B. (2011). Using fougara for heating and cooling buildings in Sahara. Energy Procedia. 6, p. 55-64. 10 s.

Amara, S., Nordell, B., Benyoucef, B. & Benmoussat, A. (2011). Concentration heating system with optical fiber supply, Energy Procedia. 6, p. 805-814. 10 s.

Dim, J., Murakami, H., Nakajima, T., Nordell, B., Heidinger, A. & Takamura, T. (2011). The recent state of the climate: Driving components of cloud-type variability. Journal of Geophysical Research. 116, 11, 14 s.

Gustafsson A-M., Westerlund L. (2011) Heat extraction thermal response test in groundwater-filled borehole heat exchanger – Investigation of the borehole thermal resistance. Renewable Energy, Vol. 36, Issue 9, Pages 2388-2394

Kharseh, M., Nordell, B. (2011). Sustainable Heating and cooling systems for agriculture. International Journal of Energy Research. 35, 5, p. 415-422. 8 p.

Kharseh, M., Nordell, B., Altorkmany, L (2011). Global warming's impact on the performance of GSHP. Renewable Energy 36,1485-1491.

Kløve, B., Ala-Aho, P., Bertrand, G., Boukalova, Z., Ertürk, A., Goldscheider, N., Ilmonen, J., Karakaya, N., Kupfersberger, H., Kværner, J., Lundberg, A., Mileusnić, M., Moszczynska, A., Muotka, T., Preda, E., Rossi, P., Siergieiev, D., Šimek, J., Wachniew, P., Angheluta, V. & Widerlund, A. 2011 Groundwater Dependent Ecosystems Part I: Hydroecological status and trends. Environ. Sci. & Policy. 14(7), 770-781.

Kløve, B., Allan, A., Bertrand, G., Druzynska, E., Ertürk, A., Goldscheider, N., Henry, S., Karakaya, N., Karjalainen, T. P., Koundouri, P., Kupfersberger, H., Kværner, J., Lundberg, A., Muotka, T., Preda, E., Pulido Velázquez, M. & Schipper, P. 2011. Groundwater Dependent Ecosystems Part II: Ecosystem Services and Management Under Risk of Climate Change and Land Use Intensification. Environ. Sci. & Policy 14(7):782–793.

2010

Alakangas L. Öhlander B. & Lundberg, A. 2010. Estimation of temporal changes in oxidation rates of sulphides in copper mine tailings at Laver, Northern Sweden Sci. Total Environ. 408(6), 1386-1302.

Granlund, N., Lundberg, A. & Gustafsson, D. 2010, Laboratory study of the influence of salinity on the relationship between electrical conductivity and wetness of snow. Hyd. proc.24 (14): 1981-1984.

Gustafsson, A. & Westerlund, L.(2010) Multi-injection rate thermal response test in groundwater filled borehole heat exchanger. Renewable Energy. 35, pp.1061-1070.

Gustafsson, A-M. & Westerlund, L. (2010) Simulation of the thermal borehole resistance in groundwater filled borehole heat exchanger using CFD technique. International journal of energy and environment. 1, pp. 399-410.

Gustafsson, A-M., Westerlund, L. & Hellström, G. (2010) CFD-modelling of natural convection in groundwater-filled borehole heat exchanger. Applied Thermal Engineering. 30, pp. 683-691.

Kharseh, M., Nordell, B. (2010). Analysis of the effect of global warming on ground temperature. Geothermics. 2010.

Kharseh, M., Nordell, B. (2010). Sustainable heating and cooling systems for agriculture. Int. J. of Energy Res. 2010. Published online in Wiley InterScience (www.interscience.wiley.com). DOI: 10.1002/er.169

Lundberg, A., Granlund N, & Gustafsson D. 2010. Towards automated “ground-truth” snow measurements - a review of operational and new measurement methods for Sweden, Norway and Finland, Hyd. proc.24 (14):1955-1970.

2009

Granlund N, Gustafsson D, Feiccabrino J & Lundberg, A. 2009. Laboratory Test of Snow Wetness Influence on Electrical Conductivity Measured with Ground Penetrating Radar. Hyd. Rec. 41 (1): 33-44.

Nordell B., Gervet B (2009). Global Energy Accumulation and Net Heat Emission. Int. Journal of Global Warming. Vol. 1, Nos. 1/2/3, p. 378-391.doi:10.1016/j.renene.2010.11.016

2007

Lindblom, J, Nordell B (2007). Underground condensation of humid for drinking water production and subsurface irrigation. Elsevier. Desalination 203:417–434.

Lindblom, J., Nordell, B. (2007). Underground production of Humid air for drinking water production and subsurface irrigation. Desalination 203:417–434

2006

Engström M, Nordell B (2006). Seasonal Groundwater Turnover. Nordic Hydrology. IWA Publishing. Vol 37, No 1, pp 31-39.

Lindblom J., Nordell B (2006). Subsurface irrigation by condensation of humid air. Transactions on Ecology and the Environment, Vol 96, pp 181-189. WIT press. ISSN 1743-3541.

Lindblom, J, Nordell B (2006). Water Production by Underground Condensation of Humid Air. Elsevier. Desalination 189 (2006) p.248-260.

Lindblom, J., Nordell, B. (2006) Subsurface irrigation by condensation of humid air. Sustainable Irrigation Management, Technologies, and Policies. WIT Transactions on Ecology and the Environment, vol 96, pp 181-189. ISSN 1743-3541.

Lindblom, J., Nordell, B. (2006). Water production by underground condensation of humid air. Desalination 189:248–260

Lundberg, A. Richardsson, C. & Andersson, C. 2006. Snow density variations – consequences for ground penetrating radar Hyd. proc.20 (7): 1483-1495.

Nordell B (2006). Global warming is large-scale thermal energy storage. pp. Thermal Energy Storage for Sustainable Energy Consumption - Fundamentals, Case Studies and Design. NATO Science Series, Series II: Mathematics, Physics and Chemistry - Vol. 234. Ed. H Paksoy. ISBN-10 1-4020-5288-X (HB).

Nordell B, Ahlström, A-K (2006). Freezing Problems in Borehole Heat Exchangers. pp.193-204. Thermal Energy Storage for Sustainable Energy Consumption - Fundamentals, Case Studies and Design. NATO Science Series, Series II: Mathematics, Physics and Chemistry - Vol. 234. Ed. H Paksoy. ISBN-10 1-4020-5288-X (HB).

Nordell B, Skogsberg K (2006). The Sundsvall snow storage - six years of operation. pp. 349-366. Thermal Energy Storage for Sustainable Energy Consumption - Fundamentals, Case Studies and Design. NATO Science Series, Series II: Mathematics, Physics and Chemistry - Vol. 234. Ed. H Paksoy. ISBN-10 1-4020-5288-X (HB).

2005

Engström, M. (2005). Seasonal turnover in groundwater. Licentiate thesis. Luleå University of Technology; Nr 2005:15. pp. 31.

Nordell B (2005). Reply to the comment given by Covey et. al on "Thermal pollution causes global warming", by Bo Nordell [Global Planet. Change 38 (2003), 305-312]. Global and Planetary Change Vol.47, Issue 1, p. 74.

Nordell B (2005). Reply to the comment given by J. Gumbel and H. Rodhe on "Thermal pollution causes global warming", by Bo Nordell [Global Planet. Change 38 (2003), 305-312]. Global and Planetary Change Vol.47, Issue 1, p. 77-78.

Nordell B, Hellström G (2005). Geothermal heat: The new nationwide movement. Swedish Research for Sustainability, No 1/05. p. 4-5. FORMAS, Stockholm

Skogsberg K & Lundberg, A. 2005. Wood Chips as Thermal Insulation of Snow. Cold Reg. Sci. & Technol. 43(3): 207-218.

2004

Lindblom, J., Nordell, B. (2004) Condensation Irrigation - a system for desalination and irrigation. Energy and Life 20:61-66

Lundberg, A. Nakai, Y., Thunehed H & Halldin, S., 2004. Snow accumulation in forests from ground and remote sensing data. Hyd. proc. (18): 1941-1955.

Tuomas Göran (2004). Water powered percussive rock drilling: process analysis, modelling and numerical simulation. Luleå University of Technology, Doctoral thesis.

Tuomas, G. & Gustafsson, A. (2004) Evaluation of ground thermal conductivity from drilling data. International Journal of Rock Mechanics and Mining Sciences. 41, Suppl 1, pp. 241-247.

2003

Gehlin S, G. Hellström (2003). Comparison of four models for Thermal Response Tests. ASHRAE Transactions 2003. Vol. 109. Pt 1, pp. 131-142.

Gehlin S, Hellström G, Nordell B (2003). Influence on Thermal Response Test by Thermosiphon Effect. Renewable Energy, Vol 28, Issue 14, Nov 2003, pp. 2221-2238.

Gehlin S, Nordell B (2003). Determining Undisturbed Ground Temperature for Thermal Response Test. ASHRAE Transactions 2003, Vol. 109, Part 1, pp. 151-156.

Kharseh, M. (2011). Reduction of prime energy consumption by ground source heat pumps in a warmer world. Nov 2011 Luleå University of Technology. Doctoral thesis.

Lundberg A. Nakai, Y , Thunehed H and Halldin, S (2003). Snow Accumulation in forests from ground and remote sensing data. Hydrological Processes, July 25-03. Accepted for publication

Lundberg, A. and Koivusalu, H. (2003). Estimating winter evaporation in boreal forests with operational snow course data. Hydrological Processes 17(8): 1479-1493.

Lundberg, A. Vikström, L. and Viklander, M (2003). Assessment by project work in snow engineering. European Journal of Engineering Education, 28(1): 7-16.

Nordell B (2003). Thermal Pollution Causes Global Warming. Global and Planetary Change. Vol. 38, Issue: 3-4, p. 305-312.

Wilson K.C. and Sellgren A. (2003): Interaction of particles and near-wall lift in slurry pipelines. *J. Hydr. Eng., ASCE*, 129 (Hy1), pp.73-86

2002

Skogsberg K. (2002): The Sundsvall Regional Hospital snow cooling plant-Results from the first year of operation. *Cold Regions Science and Technology*, Elsevier Science B.V. (In Press)

Wilson K.C., Clift R. and Sellgren A. (2002): Operating points for pipelines carrying concentrated heterogeneous slurries, *Powder Technology*, Vol. 123, March, pp. 19-24.

2001

Addie G. and Sellgren A. (2001): Application and construction of centrifugal solids handling pumps. Subsection 9.16.1. In Karassik I. J. et al. (2001): *Pump handbook*, Third ed. McGraw-Hill.

Lundberg A. and Halldin S. (2001): Snow Interception Evaporation- Rates, Processes and Measurement Techniques. Land- surface/atmosphere exchange in high-latitudes landscapes (Grassl H., Halldin S., Gryning S.-E. and Lloyd Eds.) *Theoretical and Applied Climatology*, 70(1-4): 117-133.

Lundberg A. and Halldin S. (2001): Snow Measurements for Land - Atmosphere Exchange Process Studies in Boreal Landscapes. Land- surface/atmosphere exchange in high-latitudes landscapes (Grassl H., Halldin S., Gryning S.-E. and Lloyd Eds.) *Theoretical and Applied Climatology*, 70(1-4): 215-230.

Lundberg A., and Beyrel B. (2001): Ash on snow – a tool to prevent flooding? *Nordic Hydrology* 32(3): 195-214.

Sellgren A., Addie G. and Scott S. (2001): The effect of sand-clay slurries on the performance of centrifugal pumps, *The Canadian Journal of Chemical Eng.* Vol 78, No 4, August, 764-769.

Semadeni-Davies A., Lundberg A. and Bengtsson L. (2001): Radiation balance for snow in the urban environment: a water management perspective. *Cold Regions Science and Technology* 33: 59-76.

Skogsberg K., Nordell B (2001). The Sundsvall hospital snow storage, *Cold Regions Science and Technology*, Vol. 32, Issue 1, March 2001, Elsevier Science B.V., 63-70.

Tuomas Göran (2001). System for water driven down-hole hammer drilling. Luleå University of Technology, Licentiate thesis. 2001:53

Whitlock L., Sellgren A. and Wilson K. (2001): Net positive suction head requirement for centrifugal slurry pumps, *Handbook of conveying and handling of particulate solids*, Editors: A. Levy, H. Kalman, Elsevier Science B.V., 491-497.

Wilson K. and Sellgren, A. (2001): Hydraulic transport of solids. Subsection 9.16.2.
In Karassik I. J. et al. (2001): Pump handbook, Third ed. McGraw-Hill.

2000

Lundberg, A., Thunehed, and H., J., Bergström,(2000), Impulse Radar Snow Surveys - Influence of Snow Density Nordic Hydrology Vol. 31(1): 1-14

Lundberg, A., and Thunehed, H., (2000), Snow wetness influence on impulse radar snow surveys -theoretical and laboratory study, Nordic Hydrology, Vol 31 (2): 89-106.

Nordell B, Hellström G (2000). High Temperature Solar Heated Seasonal Storage System for Low Temperature Heating of Buildings. Solar Energy, J of the Int. Solar Energy Association, Volume/Issue: 69/6: 511-523.

1999

Lundberg, A., Eriksson, M., Halldin, S., Kellner, E. & Seibert, J., 1999. Rainfall-interception Dynamics in a Pine-spruce Forest Stand. Agricultural and Forest Meteorology Vol. 98-99: Documented dataset on appended CD.

Lundin, L.-C., Halldin, S., Lindroth, A., Cienciala, E., Grelle, A., Hjelm, P., Kellner, E., Lundberg, A., Mölder, M., Morén, A.-S., Nord, T., Seibert, J., Stähli, M., 1999, Continuous long-term measurements of soil-plant-atmosphere variables at a forest site, Agricultural and Forest Meteorology (98-99) 1-4 pp. 53-73.

Lankreijer, H., Lundberg, A., Grelle, A., Lindroth, A., Seibert, J., 1999, Evaporation and Storage of Intercepted Rain Analysed by Comparing Two Models Applied to a Boreal Forest, Agricultural and Forest Meteorology (98-99)1-4 pp. 595-604.

Sellgren A., Addie G. and Yu W.C. (1999): Effects of non-Newtonian mineral suspensions on the performance of centrifugal pumps, Journal of Mineral Processing and Extraction Metallurgy Review, vol. 20, pp 239-249.

Sundin, S. and Andreasson, P. (1999). An Energy Budget Approach to Urban Snow Deposit Melt. Nordic Hydrology, 30, 1999, 39-56.

1998

Gehlin S, Nordell B (1998). Thermal Response Tests of Boreholes - Results from In Situ Measurements. Underground Thermal Storage and Utilization. Vol. 1, 1998.

Lundberg A., Calder I and Harding R. (1998). Evaporation of intercepted snow: measurement and modelling. Journal of Hydrology, 197: 70-87.

Nordell B, Dikici D (1998) Winter Air as a Source for Cold Storage Injection. J Thermal Energy Storage. Underground Thermal Storage and Utilization. Vol. 1, 1998.

Nordell B., Fjällström K and Öderyd L (1998). Water Driven Down-the Hole Well Drilling Equipment in Hard Rock. Underground Thermal Storage and Utilization. Vol. 1, 1998.

Sanner B, Nordell B (1998). Underground Thermal Energy Storage with Heat Pumps - An International Overview. IEA Heat Pump Newsletter. Vol. 16, No. 2/1996, p.10-14.

Sellgren A. And Addie G. 1997. Cost-effective pumping of coarse mineral products using fine sands. Powder Technology 94, 191-194.

Sundin E. 1998. An Approach to Using the Degree Day Method for Urban snow Deposit Melt. VATTEN 54:123-130.

Sundin E. and Makkonen L. 1998. Ice Loads on a Lattice Tower Estimated by Weather Station Data. Journal of Applied Meteorology. Vol. 37, No 5.

Svensson, U. och Omstedt, A. May 1998. Numerical simulations of frazil ice dynamics in the upper layers of the ocean. Cold Regions Science and Technology 28, pp 29-44.

1997

Grelle,A., Lundberg, A., Lindroth, A., Moren, A-S and Ciencala, E. (1997). Evaporation Components of a Boreal Forest: Variations during the Growing Season, Journal of hydrology, 197: pp70-87.

Lundberg A., Eriksson M, Halldin S, Kellner E and Seibert J. (1997). New Approach to the Measurement of Interception evaporation. Journal of Atmospheric and Oceanic Technology 14: 1023-1035.

Lundberg, A. (1997). Laboratory Calibration of TDR-probes for Snow Wetness Measurements. Cold Regions Science and Technology, 25: pp 197-205.

Nordell, B. and Westerström, G. 1997. Large Rotating Ice Disc on Ice Covered River. Weather. The Royal Society of Meterology. UK. vol 52 No 1, pp 17-21.

Singh, V.P., Bengtsson, L. and Westerström, G. 1997. Kinematic Wave Modelling of Vertical Movement of Snowmelt Water through a Snowpack. Hydrological Processes, vol 1, pp 149-167.

Singh, V.P., Bengtsson, L. and Westerström, G. 1997. Kinematic Wave Modelling of Saturated Basal Flow in a Snowpack. Hydrological Processes, vol 11, pp 177-187.

Wilson,K.,Addie,A.,Sellgren,A. and Clift R.1997:Slurry transport using centrifugal pumps,Blackie academic and professional,London,UK.

1996

Eklöf C, Gehlin S (1996). TED - A Mobile Equipment for Thermal Response Test (testing and evaluation). Master Thesis 1996:198 E. Div. of Water Resources Engineering, Luleå University of Technology. pp. 61.

Sundqvist, Å., Sellgren, A. and Addie, G. 1996. Pipeline Friction Losses of Coarse Sand Slurries. Comparison with a Design Model. Powder Technology, vol 89, pp 9-18.

Sundqvist, Å., Sellgren, A. and Addie, G. 1996. Slurry Pipeline Friction Losses for Coarse and High Density Industrial Products. Powder Technology, vol 89, pp 19-28.

1995

Nordell B, Westerström G 1995. Method for Continuous Measurement of Ice Cover Thickness. Short Communication, Cold Region Science and Technology, Vol. 23 1995 pp. 389-391. Elsevier Science Publisher B.V. Amsterdam.

Westerström, G., 1995. Chemistry of Snowmelt from an Urban Lysimeter. Water Quality Research Journal, Volume 30, No. 2, 231-242.

1994

Andersson, L-O, Golander, C-G. and Persson, S. 1994. Ice adhesion to rubber materials. Journal of Adhesion Science and Technology, Vol. 8, No. 2, pp. 117-132.

Lundberg, A, Halldin, S., 1994. Evaporation of intercepted snow: Analysis of governing factors. Water Resources Research 30 (9):2587-2598.

Lundberg, A, Johansson, R-M, 1994. Optical Precipitation Gauge - Determination of Precipitation Type and Intensity by Light Attenuation Technique. Nordic Hydrology, 25:359-370.

Nordell, B., Ritola, J., Sellberg, J. and Sipilä, K. 1994. The Combi Store - A combined Rock Cavern/Borehole Heat Store. Tunnelling and Underground Space Technology, Vol. 9, No. 2, Minneapolis, U.S.A.

1993

Engelmark, H. and Svensson, U. 1993. Numerical Modelling of Phase Change in Freezing and Thawing Unsaturated Soil. Nordic Hydrology, 24, 95-110.

Lundberg, A. 1993. Evaporation of intercepted snow - Review of existing and new measurement methods. Journal of Hydrology, 151, pp. 267-290.

1992

Andreasson, P. and Svensson, U. 1992. A note on a generalized eddy-viscosity hypothesis. J. Fluids Eng., v. 114, pp. 463-466.

Andreasson, P. 1992, Energy conversions in turbulent wind-induced counter-current flow. J. Hydraulic Res., V. 30, No. 6, pp. 783-799.

Bengtsson, L., Westerström, G. 1992. Urban Snowmelt and Runoff in Northern Sweden. Hydrological Sciences - Journal - des Sciences Hydrologiques, 37, 3, 6/1992.

1991

1990

Larsson, R. 1990. Examples of damages due to acid rain and their countermeasures - lakes in Sweden. Journal of Japan Society of Civil Engineers, Vol. 75 No. 4, pp 66-68. .

Nordell, B. 1990. Condensation of Humidity Onto a Snow Covered Roof. Nordic Hydrology, 21, 287-298.

Nordell, B. 1990. Measurement of P/T Coexistence Curve for Ice-Water Mixture. Cold. Reg. Sci. Technol., 19:83-88.

Svensson, U. and Häggkvist, K. 1990. A Two-Equation Turbulence Model for Canopy Flows, Journal of Wind Engineering and Industrial Aerodynamics, 35, Sept.

1989

Billfalk, L., Hammar, L., and Svensson, U. 1989. A mathematical model of border ice formation in rivers. Journal of Cold Regions Technology, 16.

Sellgren, A., Jedborn, A. and Hansson, K. 1989. Hydraulic Hoisting An economic alternative in the deepening of underground mines. Mining Engineering, August.

Svensson, U. and Andréasson, P. 1989. A Mathematical simulation of energy conversions in a fully developed channel flow. Journal of Hydraulic research, Vol. 27, No. 3.

1988

1987

1986

Andréasson, P. and Sellgren A. 1986. River Flow with Excessive Suspended Sediment Load an Evaluation of Turbulent Flow Characteristics, Nordic Hydrology Vol. 17.

Nordell, B., Bjarnholt, G., Stephansson, O. and Torikka, A. 1986. Fracturing of a pilot plant for borehole heat storage in rock. *Tunnelling and Underground Space Technology*, vol. 1, no 2, pp 195-208, . Oxford, Great Britain, Pergamon Journals Ltd.

Sellgren, A. 1986. Some Environmental Consequences of Water and Energy Conservation in the Handling of Mine Tailings in Sub-Arctic Regions, *Wat. Sci. Tech.*, Vol. 18, pp 141-149.

International Conference Publications

2014

Gehlin, S.E.A. and J.D. Spitler. 2014. A thermo-economic analysis of a residential ground-source heat pump system: one deeper vs two shallower boreholes. *Heat Pump Conference 2014*. Montreal, Canada. May 12-16.

Gehlin, S.E.A. and J.D. Spitler. 2014. Design of Residential Ground Source Heat Pump Systems for Heating Dominated Climates - Trade-Offs Between Ground Heat Exchanger Design and Supplementary Electric Resistance Heating. *ASHRAE Winter Conference*. New York, New York. January 18-22.

Spitler, J.D., M.Y. Wong, and S.E.A. Gehlin. 2014. Effect of Residential Ground Source Heat Pump System Design on CO₂ Emissions in Sweden. *ASHRAE Annual Conference*, Seattle, Washington. June 28-July 2.

2013

Berggren, K., Moghadas, S., Gustafsson, A-M., Ashley, R. & Viklander, M. (2013) Sensitivity of urban stormwater systems to runoff from green/pervious areas in a changing climate. *Novatech 2013 : International Conference on Planning and Technologies for Sustainable Urban Water Management*. 23 June 2013. Lyon, France

Sanner B, Hellström G, Spitler J D, Gehlin S. (2013). More than 15 years of mobile Thermal Response Test—a summary of experiences and prospects. *Proceedings of the European Geothermal Congress 2013*, Pisa, 2013.

2012

Borris M., Viklander M., Gustafsson A-M, Marsalek J. Using urban runoff simulations for addressing climate change impacts on urban runoff quality in a Swedish town. 9th international conference on urban drainage modeling, Belgrade, Serbia, 4-6 September 2012.

Nordell, B (2012). *Underground Thermal Energy Storage (UTES)*. The 12th International Conference on Energy Storage: Proceedings. Cabeza, L. (red.). Lleida, Spain, 10 s.

2011

Moghadas S., Berggren K., Gustafsson A-M., Viklander M. (2011). Regional and Seasonal Variations in Future Climate - Is Green Roof One Solution? 12th international conference on urban drainage, Porto Alegre, Brazil, 11-16 September 2011.

2010

Alakangas, L., Lundberg, A. & Öhlander, B. 2010. Pilot-scale studies of different covers on unoxidised sulphide-rich tailings, northern Sweden: oxygen diffusion. Mine Water and the Environment: proceedings of the 10th IMWA Congress: 2-5 June, 2008 - Karlovy Vary, Czech Republic. Rapantova, N. & Hrkal, Z. (red.). VSB - Technical University Ostrava, Faculty of Mining and Geology, Institute of Environmental Engineering s. 347-350. 4 s.

2009

Alakangas, L. Öhlander, B. Lundberg, A. 2009. Changes of sulphide oxidation rates over time in mine tailings, Laver, Northern Sweden. In: Securing the Future: Mining, metals and the environment in a sustainable society, and 8th ICARD, International Conference on Acid Rock Drainage: Conference proceedings. SweMin, 9 p.

Altorkmany L, Nordell B (2009). Overview of Legionella Bacteria Infection; Control and Treatment Methods. Proceedings of the 11th Int. Conf. on Thermal Energy Storage; Effstock 2009 - Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm , Sweden, June 14-17 2009.

Amara S, Benyoucef B, Nordell B, Touzi A, Benmoussat A (2009). Experimental Study of a Concentration Heating System With Optical Fiber Supply. Proceedings of the 11th Int. Conf. on Thermal Energy Storage; Effstock 2009 - Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm , Sweden, June 14-17 2009.

Amara S, Benyoucef B, Nordell B, Touzi A, Benmoussat A (2009). Experimental Study of Domestic Hot Water Storage Tank Thermal Behaviour. Proceedings of the 11th Int. Conf. on Thermal Energy Storage; Effstock 2009 - Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm , Sweden, June 14-17 2009.

Elmozughi A.F, Muntasser M.A. Nordell B (2009).Simulation of Vertical U Tube Heat Exchanger. Proceedings of the 11th Int. Conf. on Thermal Energy Storage; Effstock 2009 - Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm , Sweden, June 14-17 2009.

Eswaisi, A.A Muntasser, M A. Nordell B (2009). First Thermal Response Test in Libya. Proceedings of the 11th Int. Conf. on Thermal Energy Storage; Effstock 2009 - Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm, Sweden, June 14-17 2009.

Feiccabrino J, Lundberg, A. and Skogsberg K. 2009, Expected Environmental Effects of an Urban Snow Cooling Pond System Compared to an Existing Land Based Snow Deposit study, Proceedings Eastern Snow Conference, Fairlee (Lake Morey), Vermont, USA, May 2009, pp 47-62.

Feiccabrino, J., and A. Lundberg 2009, Precipitation phase discrimination in Sweden. Proceedings Eastern Snow Conference, Fairlee (Lake Morey), Vermont, USA, May 2008, pp 239-254.

Granlund, N., Gustafsson, D., Lundberg A. 2009. Laboratory study of salinity influence on the relationship between electrical conductivity and snow wetness, Proceedings Eastern Snow Conference, Fairlee (Lake Morey), Vermont, USA, May 2008. pp 301-307.

Gustafsson, A-M. (2009) Multi injection rate: Thermal response test. Abstract book and proceeding : Effstock 2009: 11th International conference on Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm, Sweden.

Kharseh M, Altorkmany L, Nordell B (2009).The Effect of Global Warming on BTES Systems. Proceedings of the 11th Int. Conf. on Thermal Energy Storage; Effstock 2009 - Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm, Sweden, June 14-17 2009.

Kharseh M, Nordell B (2009). First Thermal Response Test in Syria. Proceedings of the 11th Int. Conf. on Thermal Energy Storage; Effstock 2009 - Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm , Sweden, June 14-17 2009.

Lundberg A. and Feiccabrino J. 2009. Sea ice growth, modeling of precipitation phase. Proceedings of the 20th International Conference on Port and Ocean Engineering under Arctic Conditions, June 9-12, 2009. Luleå University of Technology LTU.

Lundberg, A, Granlund, N and Gustafsson, D. 2009, "Ground truth" snow measurements. Review of operational and new ground-based snow measurement methods for Sweden, Norway and Finland, Proceedings Eastern Snow Conference, Fairlee (Lake Morey), Vermont, USA, May 2008. pp 215-237.

Nordell B. It is all about Thermal Energy Storage. Proceedings of the 11th Int. Conf. on Thermal Energy Storage; Effstock 2009 - Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm , Sweden, June 14-17 2009.

Nordell B., Gehlin S. (2009). 30 years of thermal energy storage – a review of the IEA ECES Stock conferences. Plenum Session. Proc. 11th Int. Conf. on Thermal Energy Storage; Effstock 2009 - Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm , Sweden, June 14-17 2009.

Reuß M Proell M, Nordell B (2009). IEA ECES - Annex 21 – Thermal Response Test. Proceedings of the 11th Int. Conf. on Thermal Energy Storage; Effstock 2009 - Thermal Energy Storage for Energy Efficiency and Sustainability. Stockholm , Sweden, June 14-17 2009.

2008

Alakangas L., Lundberg A. and Öhlander B., 2008. Pilot-scales studies of different covers on unoxidised sulphide-rich tailings, northern Sweden: oxygen diffusion. In: Mine Water and the Environment : proceedings of the 10th IMWA Congress 2008 : 2-5 June, 2008 - Karlovy Vary, Czech Republic. Ostrava : VSB - Technical University Ostrava, Faculty of Mining and Geology, Institute of Environmental Engineering, 2010. p. 347-350.

Altorkmany L, Nordell B (2008). Low Exergy Heating/Cooling Systems Enable use of Free Energy. Global Conference on Global Warming. July 6–10, 2008, Istanbul, Turkey.

A-M. Gustafsson, S. Gehlin. (2008). Influence of natural convection in water-filled boreholes for GCHP. ASHRAE Transactions 2008. Vol. 114 Pt 1, pp. 416-423

Kharseh M, Nordell B (2008). Sustainable Heating/Cooling Systems for Chicken Farms in Syria. Global Conference on Global Warming. July 6–10, 2008, Istanbul, Turkey.

Nordell B, Gervet B (2008). Global Warming is Global Energy Storage. Global Conference on Global Warming. July 6–10, 2008, Istanbul, Turkey. (BEST PAPER AWARD)

2007

Alakangas L., Lundberg A. and Öhlander B. 2007. Changes of groundwater quality in sulphide-bearing mine-tailings as a result of remediation at Kristineberg, northern Sweden, proceedings from Mining and the Environment International Conference, Centre for Environmental Monitoring, Laurentian University Sudbury, Canada 19 -26 Oct, 2007

Engström M, Nordell B (2007). Earth's Rotation Induces Vertical Ground Water Flow. Int. Workshop on Natural Energies, IWONE 2007. Höör Sweden. <http://www.iet-community.org/iwone/IWONE3/index.html>.

Engström M, Nordell B (2007). Seasonal Groundwater Turnover in the North and South of Sweden. Int. Workshop on Natural Energies, IWONE 2007. Höör Sweden. <http://www.iet-community.org/iwone/IWONE3/index.html>.

Fieccabrino J and Lundberg A. 2007. Precipitation phase discrimination by dew point and air temperature. Proceedings from 75th Western Snow Conference, Kona Hawaii, US. April, 16-19, 2007, (McGurke, B, ed.) pp 141-145.

Granlund N, Gustafsson, D Feiccabrino, J. and Lundberg A. 2007. Laboratory test of snow wetness influence on impulse radar amplitude. Proceedings from 75th Western Snow Conference, Kona Hawaii, US, April, 16-19, 2007. (McGurke, B, ed.) pp 151-156

2006

Gehlin S, Nordell B (2006). Promoting TES Systems in Sweden. ECOSTOCK'2006. The Tenth International Conference on Thermal Energy Storage. May 31 – June 2, 2006.

Gehlin S., Nordell B., (2006). Promoting TES in Sweden. Proc. Ecostock'2006, Pomona, New Jersey. May 31-June 2 2006, pp. 1-6.

Grein M, Nordell B, Almathnani A.M. (2006). UTES Potential for Space Heating and Cooling in Libya. ECOSTOCK'2006. The Tenth International Conference on Thermal Energy Storage. May 31 – June 2, 2006.

Gustafsson A.-M., Gehlin S (2006). Thermal Response Test – Power Injection Dependence. Proc. Ecostock'2006, Pomona, New Jersey. May 31-June 2 2006, pp. 229-234.

Gustafsson A-M, Gehlin S, Nordell B (2006). Thermal Response Test – heat and cold mode. ECOSTOCK'2006. The Tenth International Conference on Thermal Energy Storage. May 31 – June 2, 2006.

Gustafsson A-M, Nordell B (2006). Thermal Response Test While Drilling. ECOSTOCK'2006. The Tenth International Conference on Thermal Energy Storage. May 31 – June 2, 2006.

Gustafsson, A. & Gehlin, S.(2006) Thermal response test: power injection dependence ECOSTOCK 2006 Conference Proceedings. Richard Stockton College of NJ

Gustafsson, A. & Nordell, B. (2006) Thermal response test while drilling ECOSTOCK 2006 Conference Proceedings. Richard Stockton College of NJ.

Lindblom J, Nordell B (2006). Underground Condensation of Humid Air for Irrigation and Drinking Water Production. World Renewable Energy & Environmental Conference. Dhat Alemad – Tripoli – Libya. 22-24 Jan 2006.

Lindblom J., Nordell B (2006) Underground condensation of humid air for drinking water production and subsurface irrigation, Proceedings in Euromed2006. Montpellier, France 19-21 May 2006.

Lindblom J., Nordell B. (2006) Condensation Irrigation - a solar desalination system for irrigation and drinking water production, Proceedings in World Renewable Energy Congress IX, Florence, Italy. 19-25 Aug 2006.

Lindblom, J., Nordell, B. (2006) Condensation Irrigation - a combined system for desalination & irrigation. Proceedings at WREEC, 2006. Tipoli, Libya.

Lindblom, J., Nordell, B. (2006) Condensation Irrigation - a solar driven system for irrigation and drinking water production. Proceedings at WREC IX, 2006. Florence, Italy.

Nordell B, Grein M.A (2006). UTES for Space Heating and Cooling in North Africa. World Renewable Energy & Environmental Conference. Dhat Alemad – Tripoli – Libya. 22-24 Jan 2006.

Skogsberg K, Nordell B (2006). Snow cooling for Swedish conditions. ECOSTOCK'2006. The Tenth International Conference on Thermal Energy Storage. May 31 – June 2, 2006.

2005

Alakangas L., Lundberg A and Öhlander B. 2005. Pilote scale studies of alternative dry covers on sulphide-rich tailings in Northern Sweden. Proceedings accepted for presentation at the International Conference SECURING THE FUTURE on Mining and the Environment, Metals and Energy Recovery. June 27 - July 1, 2005, Skellefteå.

Alakangas L., Lundberg A. and Öhlander B., 2005. Pilot scale studies of different dry covers on sulphide-rich tailings in northern Sweden. I: Securing the future : international conference on mining and the environment, metals and energy recovery : proceedings.: SweMin, Stockholm, 2005.

Lundberg, A. 2005 How to recruit the next generation of snow researchers and encourage them to apply deep learning approaches, Proceedings from Northern Research Basins 15th International Symposium and Workshop, 29 Aug - 2 Sept 2005, Luleå to Kvikkjokk, http://aqua.tvrl.lth.se/NRB_2005.html p. 111-120

Lundberg, A. and Beringer, J. 2005. Albedo and snowmelt rates across a tundra-to-forest transition. Proceedings from Northern Research Basins 15th International Symposium and Workshop, 29 Aug - 2 Sept 2005, Luleå to Kvikkjokk, http://aqua.tvrl.lth.se/NRB_2005.html

Nordell B, Lindblom J (2005). Condensation Irrigation - a system for desalination and irrigation. Energy and Life Journal, Tripoli, Libya. Issue No 20, pp. 61-66. (in Arabic)

Sanner B., Hellström G., Spitler J., Gehlin S., (2005). Thermal Response Test – current status and world-wide application. Proc. World Geothermal Congress 2005. Antalya, Turkey, 24-29 April 2005.

2004

Lindblom, J., Nordell, B. (2004) Condensation Irrigation - a system for desalination and irrigation, Proceedings at the International Conference on Energy and Environment (ICEE_03), 2003. Brack, Libya.

2003

Andersson O, Hellström G, Nordell B (2003). Heating and Cooling with UTES in Sweden - Current Situation and Potential Market Development. Proc. of the Int. Conf. on Energy Storage, FutureStock'2003, Warsaw, Poland. 1-4 Sept. 2003. pp. 207-215.

Gehlin S (2003). Groundwater Influence on Thermal Response and Test. Proc. Futurestock'2003, Warsaw, Poland. Sept 1-4 2003, pp. 373-379.

Gehlin S, J.D. Spitler (2003). Thermal Response Test for BTES Applications - State of the Art 2001. Proc. Futurestock'2003, Warsaw, Poland. Sept 1-4 2003, pp. 381-387.

Lindblom, J., Nordell, B. (2003) Condensation Irrigation - a system for desalination and irrigation. Proceedings at Futurestock, 2003. Warsaw, Poland.

Nordell B (2003). Global Warming and Thermal Pollution. Proceedings of the International Conference on Energy and Environment. 14-15 October 2003. Brack, Libya.

Nordell B, Dim J (2003). Global Warming and Thermal Pollution. Proc. of the Int. Conf. on Energy Storage, FutureStock'2003, Warsaw, Poland. 1-4 Sept. 2003. pp. 27-32.

Nordell B, Lindblom J (2003). Condensation Irrigation - a system for desalination and irrigation. Proceedings of the International Conference on Energy and Environment. 14-15 October 2003. Brack, Libya.

Nordell B, Lindblom J (2003). Condensation Irrigation – a system for desalination and irrigation. Proc. of the Int. Conf. on Energy Storage, FutureStock'2003, Warsaw, Poland. 1-4 Sept. 2003. pp. 615-619. (BEST PAPER AWARD)

Tuomas G, Gustavsson A-M, Nordell B. Thermal Response Test Integrated to Drilling. Proc. of the Int. Conf. on Energy Storage, FutureStock'2003, Warsaw, Poland. 1-4 Sept. 2003. pp. 411-415. (BEST POSTER AWARD)

Tuomas, G., Gustafsson, A. & Nordell, B. (2003) Thermal response test integrated to drilling Proceedings of the International Conference on Thermal Energy Storage: FUTURESTOCK 2003. s. 411-415.

2002

Nordell B. and Skogsberg K (2002): Snow and ice storage for cooling applications. Keynote lecture. WinterCities'2002, Aomori, Japan, 7-10 Feb 2002.

Sellgren A. and Addie G. (2002): Using centrifugal pumps for highly concentrated tailings slurries, Proceeding 15 th Int. Conf. on Hydraulic Transportation of Solids, BHR, Cranfield U.K. June.

Sellgren A. and Whitlock L. (2002): Pumping paste with a modified centrifugal pump, Proceedings, Tailings and Mine Waste 02, Col. State Univ. Ft. Collins, Col., U.S.A. Jan. 27-30.

2001

Addie G. and Sellgren A. (2001): Semi-autogeneous mill pumping cost considerations, Proceedings, Third Int. Conf. on Autogeneous and Semi-autogeneous Grinding Technology, Vancouver, Canada, Sept.

Lundberg, A., and Thunehed, H., 2001, Impulse Radar Surveys - Influence of Liquid Water (Remote sensing and Hydrology 2000, Proceedings from Symposium, St Fee, New Mexico, US, April, 3-7, 2000, IAHS Publ. No. 267)

Sellgren A. and Sundqvist Å. (2001): Integrated handling and co-disposal of waste rock and tailings, Proceedings, Int. Conf. "Securing the Future", Skellefteå, Sweden, June.

Semadeni-Davies, A.F., Bengtsson, L., Lundberg, A. and Schilling, W. (2001) How does the urban thermal climate affect stormwater in cold regions? UNESCO/IHP Frontiers in Urban Water Management: Deadlock or Hope? Marseille, France 18-20 June 2001 (poster and paper). Short Abstract in printed Proceedings pp:73; Paper to be on CD of full Proceedings

Sundin, E, Lundberg, A., Semadeni-Davies, A. F., and Viklander M., Nordell, B., 2000, Urban Snow Research at Luleå University of Technology, Proceedings from XXI Nordic Hydrologic Conference, Uppsala, 26-30 June, 2000, Nilsson, T, (Ed.), Nordic Hydrological Programme, NHP report 46: 608-615.

Tuomas G. (2001). System for Water-Driven Down-Hole Hammer Drilling. OTC 2001, Offshore Technology Conference, April 30 - May 3, 2001. Houston, Texas, USA. pp. 399-407.

Wallin M-L. and Sellgren A. (2001): Technical – Economical Evaluations of Different Dewatering Degree of Mineral Tailings. Proceedings, Mineral Processing Conference, 6-7 February, Luleå.

2000

Andersson O, Hellström G, Nordell B (2000). Recent UTES Development in Sweden. TERRASTOCK 2000, Aug 28 - Sep 1, 2000. 8th International Conference on Thermal Energy Storage. Stuttgart, Germany. p. 75-80.

Dahlenbäck J-O, Hellström G, Lundin S-E, Nordell B (2000). Solar Heated Borehole Heat Storage for Space Heating of the Anneberg Residential Area at Danderyd, Sweden. TERRASTOCK 2000, Aug 28 - Sep 1, 2000. 8th International Conference on Thermal Energy Storage. Stuttgart, Germany. pp. 201-206.

Dalenbäck J-O, Dahm J, Lundin S-E, Hellström G, Nordell B (2000). Solar Heated Residential Area Anneberg. Proc Eurosun'2000, 19-22 June 2000, Copenhagen, Denmark

Dikici D, Nordell B, Paksoy H.O (2000). Cold Extraction from Winter Air in Different Climates for Seasonal Storage. TERRASTOCK 2000, Aug 28 - Sep 1, 2000. 8th International Conference on Thermal Energy Storage. Stuttgart, Germany. pp. 515-520.

Gehlin S, G. Hellström (2000). Recent Status of In-situ Thermal Response Tests for BTES Applications in Sweden. Proc. Terrastock'2000, August 28-September 1 2000, Stuttgart, Germany, pp 159-164.

Gehlin S., 2000. Heat Storage Applications. Proc. Winter Cities'2000, Energy and Environment, February 14th 2000, Luleå, Sweden

Lundberg, A. and Koivusalu, H., 2000. Use of operational snow course measurements to approximate snow interception evaporation, Proceedings from XXI Nordic Hydrologic Conference, Uppsala, 26-30 June, 2000, Nilsson, T, (Ed.), Nordic Hydrological Programme, NHP report 46: 570-577.

Lundberg, A., and Beyrel, B., 2000, Enhanced Melt Rates With Wood Ash - A Tool to Prevent Flooding, Proceedings from XXI Nordic Hydrologic Conference, Uppsala, 26-30 June, 2000, Nilsson, T, (Ed.), Nordic Hydrological Programme, NHP report 46: 562-569.

Lundberg, A., and Thunehed, H., 2000, Snow liquid water content influence on radar surveys, Proceedings from XXI Nordic Hydrologic Conference, Uppsala, 26-30 June, 2000, Nilsson, T, (Ed.), Nordic Hydrological Programme, NHP report 46: 416-421.

Nordell B (2000). Heating and Cooling Applications in Wintercities – A Futuristic View. Proc. Winter-Cities'2000, Energy and Environment, 14 February 2000, Luleå Community, Sweden

Nordell B (2000). Implementing Underground Thermal Energy Storage - Main Results and Findings of IEA ECES Annex 8 . TERRASTOCK 2000, Aug 28 - Sep 1, 2000. 8th International Conference on Thermal Energy Storage. Stuttgart, Germany. pp. 7-12.

Nordell B (2000). Large-scale Thermal Energy Storage. Proc. WinterCities'2000, Energy and Environment, 14 February 2000, Luleå Community, Sweden

Nordell B, Johansson P (2000). Snow Deposit in Rock Cavern for Seasonal Cold Storage TERRASTOCK 2000, Aug 28 - Sep 1, 2000. 8th International Conference on Thermal Energy Storage. Stuttgart, Germany. pp. 239-244.

Nordell B, Gehlin S (2000). Anneberg - Residential Heating with Solar Panels and Seasonal Underground Thermal Energy Storage. Transactions 4th International Building Installation Science and Technology Symposium, April 17-19, 2000, Istanbul, Turkey. pp 165-172.

Nordell B. (2000): Heating and Cooling Applications in WinterCities – A Futuristic View. Proc. WinterCities'2000, Energy and Environment, 14 February, Luleå Community, Sweden.

Nordell B. and Skogsberg K. (2000): Seasonal Snow Storage for Cooling of Hospital at Sundsvall. TERRASTOCK, Aug 28 – Sep 1. 8th Int. Conf. on Thermal Energy Storage. Stuttgart, Germany. pp. 245-250.

Sellgren A. (2000): Hydraulic transport in integrated mining systems of tomorrow, Keynote lecture. Proceedings, 10 th. Int. Conf. on transport and sedimentation of solid particles, Wroclaw, Poland.

Skogsberg K, Nordell B (2000). Cold Storage Applications. Proc. WinterCities'2000, Energy and Environment, 14 February 2000, Luleå Community, Sweden

Skogsberg K. and Nordell B. (2000): Cold Storage Applications. Proc. WinterCities'2000, Energy and Environment, 14 February, Luleå Community, Sweden.

Sundin E, Lundberg A, Semádeni-Davies A, Viklander M, Nordell B (2000). Urban Snow Research at Luleå University of Technology. Nordic Hydrological Conference 2000. Vol.2. Nordic Hydrological Programme. NHP-Report No. 46. Swedish Hydrological Council. 26-30 June 2000. Uppsala, Sweden. p. 608-615.

Tuomas G, Nordell B (2000). Down-Hole Water Driven Hammer Drilling for BTES Applications. TERRASTOCK 2000, Aug 28 - Sep 1, 2000. 8th International Conference on Thermal Energy Storage. Stuttgart, Germany. pp. 503-508.

Wilson K.C., Sellgren A. and Addie G.R. (2000): Near-wall fluid lift of particles in slurry pipelines, Proc. 10 th Int. Conf. on transport and sedimentation of solid particles, Wroclaw, Poland. 435-444.

1999

Nordell B (1999). IEA Energy Conservation through Energy Storage Implementing Agreement, Annex 8 - Implementing Underground Thermal Energy Storage. Indore, India. Int Conf on Meeting the Power Crisis.

Nordell B (1999). Seasonal Snow Storage for Cooling of the Sundsvall hospital. IEA Workshop on Cooling in All Climates with Thermal Energy Storage. 3-4 June 1999, Antalya, Turkey.

Nordell B (1999). Underground Seasonal Storage of Cold - Measurements and Simulations. Indore, India. Int Conf on Meeting the Power Crisis.

Nordell B. and Skogsberg K. (1999): Seasonal Snow Storage for Cooling of the Sundsvall hospital. IEA Workshop on Cooling in All Climates with Thermal Energy Storage. 3-4 June, Antalya, Turkey.

1998

Addie G. and Sellgren A. 1998. The Effect of Wear on the Performance of Centrifugal Slurry Pumps. Proc. FEDSM'98. ASME Fluids Engineering Division Summer Meeting, June 21-25, Washington, DC.

Andreasson P., Hammar L. and Shen H.T. 1998. The influence of surface turbulence on the formation of ice pans. In "Ice in Surface Waters" (Ed. H.T. Shen) . Proc. 14th Int. Symposium on Ice, 27-31 July, Potsdam, NY. USA.

Billstein M. 1998. Experimental study of flow through a bed of packed glass beads. Proc. ICOLD 4th International symposium on new trends and guidelines on dam safety. Barcelona, Spain.

Gehlin S (1998). Thermal Response Test – In-situ measurements of thermal properties in hard rock. Licentiate Thesis 1998:37. Luleå University of Technology .

Gehlin S and Nordell B (1998). Thermal Response Tests of Boreholes - Results from in situ measurements. Proc. Second International Stockton Geothermal Conference. 15-16 March 1998. Richard Stockton College of New Jersey, Pomona, USA

Lundberg, A., 1998, Water budget analysis-a tool to minimise leachate production, 1998, (In: Hydrology in the Humid Tropic Environment, (Johnson, I., and Fernandez-Jauregui, C., A., Eds.) IAHS Publ. 253: 15-25.

Nordell B (1998). Solar Heated High Temperature Seasonal Heat Store for Low Temperature Heating of 90 Single-family Houses. Proc. IEA Future Building Forum. Low Temperature Heating Systems of Buildings Workshop. <http://www.bim.kth.se/fbf/>

Nordell B and Dikici D (1998). Winter Air as a source for Cold storage Injection. Proc. Second International Stockton Geothermal Conference. 15-16 March 1998. Richard Stockton College of New Jersey, Pomona, USA

Nordell B, Dikici D (1998). Winter Air as a Source for Cold Storage Injection. Proc. 2nd International Stockton Geothermal Conference. RSCNJ, Pomona NJ, March 16-17, 1998.

Nordell B., Fjällström K and Öderyd L (1998). Water Driven Down-the-Hole Well Drilling Equipment in Hard Rock. Proc. Second International Stockton Geothermal Conference. 15-16 March 1998. Richard Stockton College of New Jersey, Pomona, USA.

Sellgren A. and Addie G. 1998. Centrifugal Slurry Pump Performance Parameter Characterisation. Proc. 9th Int. Freight Pipeline Symposium, April 21-23.

Sellgren A., Addie G.R. and Juzwiak J.H. (1999): Factors involved in the pumping on non-settling slurries with centrifugal pumps. Proceedings, Rheology in the mineral industry II, E.J. Wasp, Ed., Kahuku, Oahu, Hawaii, U.S.A.

1997

Gehlin S, Nordell B (1997). Thermal Response Test - a Mobile Equipment for Determining Thermal Resistance of Borehole. Proc 7th International Conference on Thermal energy Storage. Megastock'97 Sapporo Japan, 18-20 June 1997.

Gehlin, S. and Hellström, G. 1997. Direct Cooling of Telephone Switching Stations Using a Borehole Heat Exchanger. Proceedings Megastock '97, Sapporo, Japan, 18-21 juni 1997.

Nordell B (1997). ANNEX 8, Implementing Underground Thermal Energy Storage IEA Energy Conservation Through Energy Storage (ECES). Proc 7th International Conference on Thermal Energy Storage. Megastock'97 Sapporo Japan, 18-20 June 1997.

Nordell B (1997). Applications of Volume-Expansion of Freezing Water. Proc 5th Circumpolar Universities Cooperation Conference, June 10-12, 1997, Luleå, Sweden

Nordell B (1997). Seasonal Storage of Thermal Energy. Proc 5th Circumpolar Universities Cooperation Conference, June 10-12, 1997, Luleå, Sweden

Nordell B, Sandberg K W, Bergman G. (1997). IT for the Citizens as a Means of Development of Lillpite Village, Sweden. Proc 5th Circumpolar Universities Cooperation Conference, June 10-12, 1997, Luleå, Sweden

Sellgren A, Sundqvist, Å. and Anttila A. 1997. Energy Requirement for Pumping of Heavy Ores. Proceedings 9th Int. Conference on Transport and Sedimentation of Solid Particles, Sept 2-5, Cracow, Poland.

Sellgren A., Luther D. and Addie G. 1997. Effect of Coarse and Heavy Solid Particles on Centrifugal Pumps Head and Efficiency. Proc. 47th Canadian Chemical Engineering Conference, Edmonton, AB, October 5-8.

Sellgren, A., Addie, G. and Carstens, M. R. 1997. Determination of the Operating Velocity and Friction Losses for Dredge Slurry Pipelines. Proceedings, 13th Annual, Texas A & M Dredging Seminar, Charleston, S.C., U.S.A., 29 juni-2juli, 1997.

Svensson, U. 1997. Modelling groundwater flow on a regional scale. Proceedings of Swventh International PHOENICS User Conference, Seville, Spain, 12-16 maj 1997, 9 sidor.

1996

Andersson, A. and Svensson, U. 1996. A Numerical Model of Initial Ice Accumulation on a Square Cylinder. Proceedings IAHR96 The 13th International Symposium on Ice, Beijing, China, 27-31 augusti, pp 956-964.

Billstein, M. and Viklander, P. 1996. Permeability changes due to freezing/thawing and water flow through a fine grained till core in an embankment dam. Repair and Undergrading of Dams, Stockholm 5-7 juni 1996.

Hammar, L., Kerr, D. J., Shen, H. T. and Liu, L. 1996. Anchor Ice Formation in Gravel-Bedded channels. Proceedings IAHR96 The 13th International Symposium on Ice, Beijing, China, 27-31 augusti, pp 843-850.

Nordell, B. 1996. International Energy Agency (IEA). Energy Storage through Energy Conservation (ECES). Implementing Underground Thermal Energy Storage. WWW-adress: http://www.luth.se/depts/sb/fo_vatten//projects/iea/

Nordell, B. and Sellberg, B. 1996. International Energy Agency (IEA). International Collaboration on Energy Technology and R&D. p 1-16. Proc. Int. Sem. on Underground Thermal Energy Storage. Applications in Industry and Economy. June 16, 1996. Environment Canada, Halifax, Canada.

Sellgren, A. 1996. Pump and Pipeline solids Effects of Transporting Sands with Different Size Distributions and Concentrations. Proceedings, Hydro-transport 13, BHR Group Limited, Johannesburg, South Africa, 3-5 september, 1996.

Sundin, E., Andreasson, P. and Viklander, M. 1996. Energy Budget Modelling of Urban Snow Deposits. Proceedings of the XIX Nordic Hydrological conference (NHK-96) Akureyri, iceland, 13-15 augusti, 1996, pp 340-349.

Sundqvist, Å. 1996. Diameter and Concentration Effects in Stratified Slurry Flows. Proceedings, Hydrotransport 13, BHR Group Limited, Johannesburg, South Africa, 1-5 Sep 1996.

Svensson, U. 1996. The Fluid Population Concept in Ground Water Modelling. The Int. PHOENICS User Conf., Tokyo, April 1996.

Svensson, U., Svensson, J. och Lindahl, S. 1996. Numerical simulations of flow and salinity distributions in Öresund. Proceedings of the Second International Conference on Hydrodynamics, Hong Kong, 16-19 december 1996, pp 655-660.

1995

Bakema G., Nordell, B. and Snijders Aart, L. 1995. Underground Thermal Energy Storage. State-of-the-Art 1994. IEA Energy Storage Programme. IF Technology bv, Arnhem, The Netherlands. pp 83. (Bok utgiven i Holland).

Chant, V, Nordell, B. et.al. 1995. IEA Implementing Agreement on Energy Conservation Through Energy Storage. Annex 7. Innovative and cost-Effective Applications of Seasonal Cold Storage. Final Experts Report. Public Works Canada, Ottawa. PWC/RDD 125E.

Hammar, L. and Shen, H.T. 1995. Anchor Ice Growth in Channels. Canadian International Workshop on Ice, Kamloops, 16-18 augusti 1995, Canada.

Nordell B (1995). International Energy Agency (IEA). International Collaboration on Energy Technology and R&D. Proc. Int. Sem. on Underground Thermal Energy Storage. Applications in Industry and Economy. Nov. 16, 1995. Çukurova University, Adana. Turkey. p.1-16.

Nordell, B. 1995. The Heat of the Summer is Stored in a Borehole. Swedish Building Research No 8 1995, pp. 8-10, Journal from the Swedish Council for Building Research, Stockholm.

Sellgren, A. and Addie, G. 1995. Cost-Effective Pumping of Coarse Mineral Products Using fine Sands. Proceedings 8th International Freight pipeline Society Symposium, sept. 14-16, Pittsburg, U.S.A.

Sellgren, A., Sundqvist, Å., 1995. Integrated approaches to mine waste handling with slurry pumping. Hynes, T.P. and Blanchette, M.C. (Eds) 1995. Proc. of Sudbury '95 - Mining and the environment. May 28 - Juni 1, 1995, Sudbury, Ontario, Canada. Volume 3, pp. 1089-1094. CANMET, Ottawa.

1994

Hammar, L., Shen, H. T., 1994. Anchor Ice Growth and Frazil Accretion. Proc. IAHR 12th International Ice Symposium, Trondheim, Norway, 23-26 August 1994. pp. 1059-1067.

Hernebring, C., Gustafsson, L-G. and Westerström, G. 1994. Modelling of flow components in sewer systems influenced by snowmelt processes using the Mouse Nam concept. In the proceedings of the International User Group Meeting Computer Aided Analysis and Operation in Sewer Transport and Treatment Technology. Chalmers Univ. of Technology, June 13-15.

Lundberg, A., Johansson, R. M., 1994, Precipitation Intensity and Type Determined by Ligth Attenuation Technique. In: Polartech 94, 5:th International Conference on development and Commerila Utilization of Technologies in Polar Regions, March 22-25, 1994, Cold tech, Luleå University of Technology, pp. 209-220.

Nordell, B. 1994. Borehole Heat Store Design Optimization. The SmartStore Model. Proc. of 6th Int. Conf. on Thermal Energy Storage. CALORSTOCK'94, Better Economy, Environment, Technology. Aug. 22-25, 1994, Espoo, Finland, pp. 245-254.

Nordell, B., Ritola, J., Sipilä, K., Sellberg, B., 1994. The Combined Rock Cavern/Borehole Heat Store. Proc. of 6th Int. Conf. on Thermal Energy Storage. CALORSTOCK'94, Better Economy, Environment, Technology. Aug. 22-25, 1994, Espoo, Finland, pp. 389-396.

Nordell, B., Sellberg, B., 1994. Annex 8, Implementing Underground Thermal Energy Storage. IEA Energy Conservation Through Energy Storage. Proc. of 6th Int. Conf. on Thermal Energy Storage. CALORSTOCK'94, Better Economy, Environment, Technology. Aug. 22-25, 1994. Espoo, Finland, pp. 335-339.

Sellgren, A. 1994. Systemaspekter på pumpning av sovringsavfall och gråberg. Proceedings Nord. konf. i Mineralteknik, 14-16 febr. LuTH, 7 sidor.

Sundin, E., 1994. Prediction of Ice Loads on a Mast Using General Weather Data. Proceeding of the IAHR 12th International Ice Symposium, Trondheim, Norway, 23-26 August 1994, pp. 362-371.

1993

Hammar, L. och Shen Hung Tao. 1993. "Frazil Transport and Evolution in Channels", 7th Workshop on Ice, Saskatchewan, Saaskatoon.

Lundberg, A and Johansson, R-M. 1993. Precipitation Intensity and type Determined by Light Attenuation Technique. POLARTECH'94, pp. 209-220.

Nordell, B. 1993. Kombilagret - ett kombinerat bergrums/borrhålsvärmelager. Proceedings Nordiska Ministerrådets Seminarium om Värmelagring. Silja Symphony, 13-14 okt. pp. 12.

Sellgren, A. 1993. Effective Water use for Mineral Products Transport and Mine Waste Handling, Proceedings of the Int. Conf. on Environmentally Sound Water Utilization, Nov. 8-11, Bangkok, Thailand, pp. 103-107.

Sellgren, A. and Addie, G.R. 1993. Solids Effect on the Characteristics of centrifugal pumps. Proceedings, 12th International Conference of the Hydraulic Transport of Solids in Pipes, Brügge, Belgium, pp. 3-18.

Sellgren, A. and Addie, G.R. 1993. The economic feasibility of pumping coarse mine residual products. Proceedings of Hydromechanisation 8, Technical University, Magdeburg, Germany, 7 pages.

Sellgren, A. and Sundqvist, Å. 1993. A simulation model for the hydraulic transportation of backfill. MINEFILL 93. Johannesburg, SAIMM, pp. 189-194.

Sundin, E. and Mulherin, N. 1993. Icing-related Tower Failures in the U.S.A. and Fenno-Scandinavia. 6th International Workshop on Atmospheric Icing of Structures, Budapest, Ungern. 6 sidor.

1992

Andersson, A. and Andersson, L-O. 1992. "Frazil Ice Formation and Adhesion on Trash Racks". IAHR, 11th International Ice Symposium, Banff, Kanada. 12 sidor.

Billfalk, L. 1992. "Ice Effects and control for Hydro Power Production". Proc. IAHR Ice Symp. Volume 3, Banff.

Hammar, L. 1991. Reduction of Head Losses in Tunnels by Means of Shotcrete. The Uprating and refurbishing hydro powerplants - III conf. 28-30 okt, Innsbruck, Österrike.

Sellgren, A. och Stenmark Ch. 1992. Ground Temperature Modelling in Streets and Municipal Pipeline Systems. Proc., The POLATECH'92. Conference in Montreal, Canada. jan.

Sellgren, A. och Addie G.R. 1992. Effects of solids on the performance of centrifugal slurry pumps" Proc., The 10th Colloquium: "Massenguttransport durch Rohrleitungen", Meschede, Tyskland, 20-22 maj.

Westerström, G. 1992. "A Study of the Chemical Characteristics of Urban Snow Meltwater". Polartech'92 conf. Jan. 1992, Montreal, Canada.

1991

Anderson, L.O. 1991. Ice Adhesion Test Methods, Proc. International Seminar on Machines, Materials and Structures, Jakutsk, USSR, January.

Andersson, P., Gustavsson, E. och Sellgren, A. 1991. Flow Pattern Investigation in an Isolated Rock Mass and in an Artificial Fracture with Particles, The American Geophysical Union Fall Meeting, Dec. 9-13, San Francisco U.S.A.

Andersson, L.O., Lever, J.H., Mulherin, N.D. and Rand, J.H. 1991. Evaluation of an Impact Test for Measuring Ice Adhesion Strength. Proc. OMAE 10th International Conference, Stavanger, June.

Hammar, L. och Shen Hung Tao. 1991. A Mathematical Model for Frazil Ice Evolution and Transport in Channels. Proc., The International Workshop on Ice, Ottawa, okt.

Nordell B (1991). Cost Effective Design of Borehole Heat Stores. Thermastock '91. Scheveningen, May 13-16, 1991. The Netherlands. p.3.1.1-3.1.7.

Nordell B (1991). The Combination Store. Proc. of IEA Workshop on Generic Configurations of Seasonal Cold Storage Applications. Utrecht, The Netherlands, Sep 18-19, 1991. pp.2.

Nordell B (1991). GLG Heating/Cooling Storage System. Proc. of IEA Workshop on Generic Configurations of Seasonal Cold Storage Applications. Utrecht, The Netherlands, Sep 18-19, 1991. pp.2.

Sellgren, A. 1991. Stora flöden från små rurala områden. Några observationer relaterade till vägtrumms dimensionering, "Ekspertseminar om Vann" - og Stoffbalanse i små nedbørfelt", Danmark 21-23 okt.

Shen, H.T., et al., 1991. A Two-Dimensional Surface Drift Model for River Ice, ASCE-CSCE, 6th International Conference on Cold Regions Engineering, Hanover, NH, U.S.A., Mar., pp. 355-362.

Svensson, U. 1991. Phoenix in Geophysical Fluid Dynamics, 4th Int. Phoenix User Conference, Miami, U.S.A.

1990

Andersson, A. and Svensson, U. 1990. "A Numerical Simulation of an Ice Particle Trajectory", 4th International Phoenix User Conference, Miami, U.S.A.

Jilar T, Nordell B (1990). Further R & D Needs for Swedish Solar Heating Technology 1990-1993. Proc. North Sun '90, Sept. 18-20, 1990. Reading, England. pp.5.

Lundberg, A. 1990. "Interception Loss Wintertime", Nordic Hydrological Conference, Kalmar, Sweden. Augusti.

Lundberg, A., 1990, Measuring snow interception and loss from a tree by weighing, In: The Eighth International Northern Research Basin, Symposium and Workshop, Abisko, March 26-30, Water Resources Engineering, Luleå University of Technology, (Bengtsson, L., Westerström, G. Eds.), Sweden, 9 pp.

Nordell B (1990). Condensation of Humidity onto a Snow Covered Roof. (reviewed). Proc. 8th Int. Northern Research Basins Symposium and Workshop, Vol 2., Abisko, Sverige, 26-30 Mars 1990. pp.11.

Nordell B (1990). High Temperature Duct Store in Crystalline Rock - Construction, Operation and Experiences. Workshop on Seasonal Thermal Energy Storage in Duct System. 19-20 juni 1990. Weihenstephan, Tyskland. pp.12.

Nordell B (1990). Pressure-Melting of Ice. Proc 10th Int Conf on Port and Ocean Eng under Artic Conditions, POAC 89, June 12-16, 1989. Vol. 1, Research Report TULEA 1989:08. Luleå Univ. of Technology, Sweden. p.249-258.

Nordell B (1990). Slagrutan ett piezoelektriskt fenomen. Seminarium om slagrutan vid Partaharjun Opisto. Varkaus, Finland 26-27 maj 1990. pp.8.

Sellgren, A. 1990. Large Flows From a Small Forested Watershed, Nordic Hydrological Conference, Kalmar, Sweden. Aug.

Sellgren, A., Addie, G.R. and Turner, T.M. 1990. Determination of the Effect of Solids on Centrifugal Slurry Pumps, Fifth Annual AIME Reginal Phosphate Conference, Lakeland, Florida, U.S.A.

Westerström, G. 1990. "Pilot Study of the Chemical Characteristics of Urban Snow Meltwater", Fifth International Conference on Urban Storm Drainage, Suita, Osaka, Japan, July 23-27, 1990.

1989

Larsson, R. 1989. Lateral Mixing in Open Channels - The Important Processes. Proc. IAHR 23rd Congress, Ottawa, Canada, pp. D39-44.

Sellgren, A. and Addie, G. 1989. GIW Hydraulic Laboratory U.S.A. Effects of Solids on the Performance of Large Centrifugal Pumps. Proceedings CEDA Dredging Day, Amsterdam, The Netherlands, November.

1988

Hellström G, Nordell B (1988). A-posteriori study and redesign of large-scale borehole heat store in Luleå, Sweden. Proc. JIGASTOCK 88 Int. Conf. on Energy Storage for Building. Heating and Cooling. Vol 2.Oct. 1988. Versailles, France. A.F.M.E. 1988. p.549-554.

Nordell B (1988). A large-scale borehole heat store during five years of operation. Proc. ISRM Symp. on Rock Mechanics and Power Plants, Vol 1. Ed. M.Romana. Sept. 1988. Madrid, Spain. AA. Balkema 1988. p.583-587.

Nordell B (1988). A large-scale borehole heat store during five years of operation. Construction and operation experiences. Proc. JIGASTOCK 88 Int. Conf. on Energy Storage for Building Heating and Cooling. Vol 2.Oct. 1988. Versailles, France. A.F.M.E. 1988. p.567-570.

1987

Sellgren, A. 1987. Slurry Transport - A Feasible Systems Solution to the Integrated Underground Mine of Tomorrow. Improvement of Mine Productivity and Overall Economy by Modern Technology. Ed. Almgren, Berge, Matikainen, A.A. Balkema; Rotterdam/Boston, 13th World Mining Congress, Stockholm, Sweden.

1986

Lundberg, A. 1986. Vattenbalans och tjälförhållanden i ett restproduktupplag vid en gruva i norra Sverige. Nordic Hydrological Conference NHF Reykjavik, August 11-13, pp 595-604.

Nordell B (1986). Large-Scale seasonal heat storage in rock. Construction and operation experiences. Int. Symp. on Engineering in Complex Rock Formations. Nov 1986. Beijing. China. p.361-366.

Sellgren, A. 1986. Hydraulic Behavior of Ice Particles in Water. Some Preliminary Results Related to the Handling of Ice from Ice-Based Heat Pumps, 10th International Conference on The Hydraulic Transport of Solids in Pipes, Innsbruck, Austria, 29-31 Oct.

Sellgren, A. 1986. Hydraulic Behavior of Mine Tailings Products, 1th World Congress on Particle Technology, BDR.

Sellgren, A. and Vappling, L. 1986. Effects of Highly Concentrated Slurries on The Performance of Centrifugal Pumps, 2nd International Symposium on Liquid-Solid Flows, SME, ASCE, Dec., Los Angeles, USA.

Sellgren, A. and Vappling, L. 1986. The Choice of Solids Concentration in Mine Tailings Pipelines, Proc. of The 11th Int. Conf. on Slurry Tech., USA.

Westerstrom, G. 1986. An Urban Snowmelt Runoff Case Study. Proceedings of the International Symposium on Comparison of Urban Drainage Models with Real Catchment Data, UDM'86, Dubrovnik, Yugoslavia, 8-11 April, pp 275-283.

1985

Makitalo, L-I. and Sandkvist, J. 1985. Combination of warm water outlets and air bubbler curtains for ice-reducing purposes - full scale tests, 8th International Conference on Port and Ocean Engineering under Arctic Conditions, Gronland, Sept. 7-14, TULEA 1985:24.

Nordell B (1985). The borehole heat store at Lulea, Sweden, ENERSTOCK 85, Int. Conf. on Energy Storage for Building Heating and Cooling. Toronto, Canada, Sept. 1985.

Nordell B (1985). Seasonal heat storage in rock at Lulea, Sweden. 2 GWh-plant in operation since 1983. ITA/AITES Int. Conf. on Underground Structures in Urban Areas. Prague, Czechoslovakia, Sept. 1985, p.270-279.

Nordell B, Sehlberg T (1985). Economic aspects of borehole heat stores in Sweden. ENERSTOCK 85, Int. Conf. on Energy Storage for Building Heating and Cooling. Toronto, Canada, Sept. 1985. p.265-267.

Nordell B, Sehlberg T, Abyhammar T (1985). System design for borehole heat stores. General aspects and operational experiences from the heat store at Lulea. ENERSTOCK 85, Int. Conf. on Energy Storage for Building Heating and Cooling. Toronto, Canada, Sept. 1985. p.268-271.

Sellgren, A. 1985. Effects of Chemical Additives on Sedimentation During Slurry Transport. Proceedings, Flocculation, Sedimentation and Consolidation, Engineering Foundation, Conference Jan., USA.

Sellgren, A. 1985. Mine Water - A Resource for Transportation of Ores from Underground Mines, Proc. of Int. Mine Water Ass. Granada, Spain.

1984

Nordell B (1984). Borrhullslager i Lulea. Pres. vid Varmelagring i Fjell, Losmasser og Vann i februar 1984. Norske Sivilingeniorers Forening. Oslo. pp.9.

Nordell B (1984). Borrhålsvärmelager i berg. Projekt Lulevärme. Proc. NBS-seminarium "Nordiskt samarbete om säsongslagring av värme". Byggeforskningsrådet. Rapport R21:1984. p.229-240.

Sellgren, A. 1984. Airflow Cooling in Storm Water Systems, The Third International Conference on Urban Storm Drainage, 4-8 June , Gothenburg, Sweden.

Sellgren, A. 1984. Energy and Water Savings in the Handling of Mine Tailings Slurries, The Ninth International Technical Conference on Slurry Transportation, 20-23 March , Nevada, USA.

Westerström, G. 1984. An urban snowmelt runoff study. Nordic Hydrological Conference, Denmark Aug. 6-8, TULEA 1984:21.

Westerström, G. 1984. Snowmelt runoff from Porsön residential area, Luleå, Sweden. Third International Conference on Urban Storm Drainage, June 4-8, Chalmers, Sweden. TULEA 1984:20.

1983

Andersson S, Nordell B, Åbyhammar T (1983). Full-Scale Multiple Well Heat Storage System for Experiment and Demonstration. Proc. Int. Conf. on Subsurface Heat Storage in Theory and Practice, Council for Building Research. D18:1983. Stockholm, June 1983. p.610-615.

1982

1981

Andersson S, Eriksson A, Nordell B (1981). Heat Storage in Rock - Multiple Well System. Proc. Int. Conf. on Seasonal Thermal Energy Storage and Compressed Air Energy Storage. Oct. 19-21, 1981, Seattle, USA. p.255-262.

National Conferences and Journals

Gehlin, S., J.D. Spitler. (2014). Om borrhålsdjup, värmepumpstorlek och spetsel. Svensk Geoenergi No. 1/ 2014, pp. 25-26.

Gehlin, S., J.D. Spitler. (2014). Om spetsel, värmepump och borrhålsdjup. Energi & Miljö. No. 5, May 2014, pp. 42-44.

Cullin, J.R., J.D. Spitler, S. Gehlin. 2013. Grundläggningsskolektorer för markvärmepumpar. Energi & Miljö. Nr. 12, December 2013, pp. 46-48.

Gehlin, S. 2013. Geoenergin en viktig förnybar energiresurs med många ansikten. VVS-Värme och Sanitetsteknikern nr 2/2013, pp 12-15. Finland.

Nordell B (2013). Ankfot inspirerar till energisnål vattenrening. Energi & Miljö, Nr. 2-2013, sid 52-54.

Nordell, B (2012). Geoenergin i samhället: En viktig del i en hållbar energiförsörjning: forskningsläget. Barth, J. (red.). Lund: GEOTEC , P. 61-66.

Gustafsson D., Ahlberg J., Feiccabrino J., Lindström G., Lundberg A., Sundström N. and Wetterhall F. 2012. Distribuerade system för förbättrade snö- och avrinningsprognoser – Integration i hydrologiska modeller. Slutrapport. Elforsk Rapport 12:53. 69 sid.

Gustafsson, D. Lundberg, A. Olsson, J. Lindström, G. och Sandberg, S. mfl. 2012. Slutrapport hydrologiskt utvecklingsarbete, ELFORSK Rapport 12:18, 21 s.

Lindblom, J. & Nordell, B (2012). Experimental Study of Underground Irrigation by Condensation of Humid Air in Perforated Pipes, Technical report, Div.of Architecture and Water. Luleå University of Technology. SE-97187, pp 22.

Barth J, Nordell B, Hellström G, Berg M, Gehlin S, Frank H, Andersson O, Nowacki J-E (2012). Dags att göra upp med myterna om geoenergin. Svenska Dagbladet. Brännpunkt, 18 dec. 2012.

Geotec (2012). Geoenergin i Samhället – en viktig del i en hållbar energiförsörjning. Geotec 2012:1. (Gehlin S , Kapitel 2. Geoenergins historia samt kapitel 11. Forskningsläget).

Qvirist I, Gehlin S (2011). Konsten att kommunicera teknik. EMTF Förlag AB, Stockholm 2011. ISBN 978-91-976271-5-3

Gustafsson, D. Ahlberg, J. Granlund, N. Lindström, G. Wetterhall, F. och Lundberg, A. 2009. Distribuerade system för förbättrade snö- och avrinningsprognoser - Integration i hydrologiska modeller - Delrapport 1, Elforsk Rapport 09:84.

Nordell B, Samari E (2009). Kärnkraft och algblomning. Debattartikel. Nya Åland. 2009-04-14.

Nordell B, Samari E (2009). Kärnkraft och algblomning. Debattartikel. Ålandstidningen. 2009-04-09.

Nordell B, Samari E (2009). Tänk på spillvärmens från kärnkraften. Debatt, Ny Teknik, 2009-04-22.

Nordell B, Gervet B (2008). Värmeutsläpp och global uppvärmning. Energi & Miljö, Nr. 5-2008, p. 66-68.

Lundgren J, Nordell B. et.al. (2007). FOKUS – Norrbottens energiresurser. Redaktör T. Pettersson, Norrbottens energikontor AB, Luleå Grafiska 2007. pp. 92.

Lindblom, J (2004). Ground Heating by Low-Temperature Waste Water. Technical report. Department of Civil and Environmental Engineering, Luleå University of Technology, Sweden

Nordell B (2004). Global uppvärmning orsakas av värmeutsläpp. Energi & Miljö, Nr. 3-2004, sid 53-55.

Nordell B, Hellström G (2004). Bergvärme - den nya folkrörelsen. Miljöforskning nr 5-6, Dec 2004. p. 27-28.

Nordell B, Hellström G (2004). Spillvärme gör flygplatsen snöfri. Miljöforskning nr 5-6, Dec 2004. p. 38.

Hellström G, Gehlin S (2002). Termisk Responstest - Att ta reda på energibrunnens effektivitet. Energi & Miljö, No 3, 2002 Årgång 73.

Hellström G, Gehlin S (2001). Bergvarmesystem - med fler enn en energibronn. Norsk VVS Teknisk Magasin, No 3, 2001. pp. 34-37.

Nordell B. (2001): Kyls med snö hela sommaren. Formas tidning Miljöforskning för ett uthålligt samhälle. Nr 5-6.01. p. 38-39.

Skogsberg K. (2001): Sundsvalls lasarett kyls med snö hela sommaren. Energi & Miljö, nr 10 2001.

Hellström G, Gehlin S (2000). Bergvarmesystem med fler än en energibrunn, Energi & Miljö, No 2, 2000 Årgång 71 .

Hellström G, Gehlin S (2000). Borrålet och dess funktion. Energi & Miljö, No 1, 2000 Årgång 71.

Nordell B (2000). Sommarsol för året-runt-uppvärmning i Danderyd. Samhällsbyggaren. Luleå Tekniska Universtitet. p. 8-9.

Nordell B, Gehlin S (2000). Solar heat storage plant in Anneberg - one of the ten largest in Europe. Scanvac Newsletter 1/2000. p 7-8.

- Sellgren A. (2000): Några aspekter på vattenanvändning vid gruvavfallshantering, Proceedings Konf i Mineralteknik, Luleå, Febr.
- Nordell B (1999). Hur länge ska det ryska folkmordet fortsätta? 16 maj 1999, "Sidan 3" Aftonbladet. Stockholm.
- Nordell B (1999). Kyla från månfångare. Energi och Miljö. Årg 70, 12/1999. p 70.
- Nordell B (1999). Lagrad snö kyla Sundsvalls sjukhus. Energi & Miljö. Årg 70, 4/1999. p. 68.
- Nordell B (1999). Energilagring - Aktuell FoU. NordCon'99 25-28 augusti 1999. Jönköping, Sverige.
- Nordell B (1999). Säsongslagring av värme och kyla. Energitinget 16-17 mars 1999. Eskilstuna.
- Nordell B, Gehlin S (1999). Energibrunnen - Osynlig, flexibel och energibesparande. Energi & Miljö, No 8, 1999 Årgång 70. p. 41-42.
- Nordell B. (1999): Lagrad snö kyla Sundsvalls sjukhus. Energi & Miljö. Årg 70, 4/1999. p. 68.
- Skogsberg K (1999). Långtidslagra kyla med snö och is –Pengar och miljö att spara. Energi & Miljö. Årg 70, 4/1999. p. 64-65.
- Nordell B, Gehlin S (1998). Ventilationshearing - Gymnasiebyn Luleå. Wibergsgården, 8 okt. 1997. Teknisk rapport 1998:08. Luleå tekniska universitet, SE-97187 Luleå
- Gehlin S, Eklöf C (1996). Säkrare värmedata med termisk responstest ('Safer heat data with thermal response test'). Borrsvängen nr. 3 1996. Geotec, Svenska Brunnsbörres Branschorganisation. p. 14-15. (In swedish)
- Nordell B (1994). Att uppskatta myggor. Nämnaren - tidskrift för matematik-undervisning. Nr. 1, Årgång 21, 1994. Göteborgs Universitet. p.30-31.
- Nordell B (1994). Borrhål för korttidslagring. Byggeforskning 94.5, Byggeforskningsrådet, Stockholm. p.15-17.
- Nordell, B. 1992. The SmartStore Model. Dokumentation Gropar och Borrhålslager. Seminarium 23-24 April, BFR, Stockholm.
- Nordell, B. 1992. The Luleå Heat Store. Dokumentation Gropar och Borrhålslager. Seminarium 23-24 April, BFR, Stockholm.
- Magnusson, C., Rydell, B., Nordell, B., et. al. 1987. Tillämpad markvärmeteknik - Arbetsmetodik samt mät- och undersökningsmetoder. Varia 204. Energi. Linköping. Statens Geotekniska Institut.

Nordell B (1987). Mysterium med roterande isflak uppkärat. Illustrerad Vetenskap nr. 8 1987. Fogtdals Förlag. Malmö. p.72-73.

Nordell B (1985). Borrhålsvärmelager. Temadag vid Högskolan i Luleå den 21 november 1984. Avd för Vattenteknik, rapport serie A, No 133, 1985. pp.242.

Andersson S, Eriksson A, Nordell B (1981). Säsongslagring av värme i berg. Byggnadskonst 1981 Nr 11, p.45-47.

Johansson B, Nordell B (1980). Berglager - en anläggning för storskalig säsongslagring av värme. Stadsbyggnad 1980, Nr 44, p.39-42.

Reports

R Lindblom, J., Nordell, B. (2011). Experimental study of underground irrigation by condensation of humid air in perforated pipes. Technical report. Division of Architecture and Water, Department of Civil, Environmental and Natural resources engineering, Luleå University of Technology, Sweden

Selberg A. and Lundberg, A. 2006. Mätning av vattenhalt för artificiell snö producerad från snökanon vid Vallåsens skidanläggning. LTU rapport nr 2006:02.

Isaksson K, Lindström A, Nordell B. (2003). Förnyelsebar energi i Norrbottens län. Del 1 Solenergi. Avd f. Förnyelsebar energi LTU. pp.21.

Isaksson K, Lindström A, Nordell B. (2003). Förnyelsebar energi i Norrbottens län. Del 2 Bioenergi. Avd f. Förnyelsebar energi LTU. pp.37.

Isaksson K, Lindström A, Nordell B. (2003). Förnyelsebar energi i Norrbottens län. Del 3 Vindkraft. Avd f. Förnyelsebar energi LTU. pp.20.

Isaksson K, Lindström A, Nordell B. (2003). Förnyelsebar energi i Norrbottens län. Del 4. Snökyla. Avd f. Förnyelsebar energi LTU. pp.6.

Nordell B. (2003). Förnyelsebar energi i Norrbottens län. Sammanfattning av Del 1-4. Solenergi, Bioenergi, Vindkraft och Snökyla. Avd f. Förnyelsebar energi LTU. pp 11.

Andreasson, J., Gyllander, A., Johansson, B., Källgården, J., Lindell, S., Olofsson, J. och Lundberg, A., (2001), Snötaxering med georadar – Bättre vårflödesprognoser med HBV-modellen? SMHI Hydrologi 87, 28 s.

Sellgren A. (2001): Slurry wear factors in a mining and mineral processing environment, report, Div. of Water Resources Eng, Luleå University of Technology.

Skogsberg K. (2001): Mass loss of freezing water. Internal laboratory report. Division of Water Resources Engineering, Luleå University of Technology.

Skogsberg K. (2001): Wood chips as thermal insulation on snow – A preliminary experiment. Internal laboratory report. Division of Water Resources Engineering, Luleå University of Technology.

Skogsberg K (2000). Seasonal Snow and Ice Storage in Japan. Internal report. Div. of Water Resources Engineering, Luleå University of Technology.

Brännström, H., Eriksson, G., Hanaeus, J., Lundborg, G. and Nordell, B. (1998). Systemutredning – Flöden och miljöeffekter. Luleå Gymnasieby. Teknisk rapport 1998:14, Luleå tekniska universitet.

Skogsberg, K. 1998. Långtidslagring av kyla. Teknisk Rapport 1998:29.

- Nordell, B. och Sundin, E. 1998. Snöupplag för säsongslagring av kyls. Internrapport.
- Nordell, B och Gehlin S 1998. VENTILATIONSHEARING. Gymnasiebyn Luleå. Wibergsgården den 8 oktober 1997. Teknisk Rapport 1998:08.
- Andréasson, P. 1996. LULEÅ INNERFJÄRDAR. Rapport B: Hydrologi. Forskningsrapport TULEA 1996:12.
- Gehlin, S. 1996. TERMISK RESPONSTEST. Utvärdering av termiskt motstånd i bergkollektor för kylning av TELIAs AXE-växlar. Teknisk Rapport (intern), Avd för Vattenteknik, Tekniska Högskolan i Luleå, oktober 1996.
- Andersson, A., Billstein, M., Eriksson, K. och Fransson, L. 1996. Projekt Isväg. Teoretisk förstudie och resultat från fältförsök vintern 95/96. COLDTECH REPORT 1996:02.
- Nordell, B. and Westerström, G. 1996. Large Roatating Ice Disc on Ice Covered River. Measurements. Internal report 1996:01.
- Sundin, E. 1996. Snow Mechanics Vehicle Mobility. COLDTECH report 1996:01.
- Nordell B. 1995. Development of Prototype for Ice Thickness Measurements. Coldtech Report 1995:02, Luleå University of Technology pp. 21.
(<http://www.luth.se/foundations/coldtech/>)
- Nilsson, C-E och Sellgren, A. 1995. Försök med uppvärmning av ventilationsluft med isbildningsvärme i Viscariagruvan. COLDTECH report 1995:05.
- Nordell, B. 1995. Development of Prototype for Ice Thickness Measurements. Coldtech Report 1995:02.
- Bakema, G., Nordell, B. and Snijders A. 1995. Underground Thermal Energy Storage. State of the art 1994. IEA Implementing Agreement for a Programme of Research and Development on Energy Conservation through Energy Storage. Subtask A: Evaluation Annex 8. IEA restricted Document No A1, March, IF Technology bv, Arnhem, The Netherlands, pp 82.
- Gustafsson, L. and Andersson, A. 1994. Studying Particles in Two-phase Flows by a Novel Image Analysis Method. TULEA 1994:17.
- Nordell, B. 1994. The heat of the summer is stored in a borehole. Journal from the Swedish council for building research, p 8-10, 4.
- Edstedt, U. and Nordell, B. 1994. Borrhålslager. Förutsättningar-Erfarenheter-Möjligheter. Byggeforskningsrådet, Stockholm, T22:1994.
- Nordell, B. 1994. Borrhål för korttidslagring. Byggeforskning 94.5 sid 15-17, Byggeforskningsrådet, Stockholm.

- Andreasson, P. 1994. Modelling of flow reduction: The parameter model, SMHI, Oceanografiska laboratoriet, Göteborg.
- Andreasson, P. 1993. Modelling of flow reduction: Piers, SMHI, Oceanografiska laboratoriet, Göteborg.
- Hansen, E.A., Andreasson, P. and Svensson, J. 1993. The Öresund link: The friction introduced in Öresund by planned bridge piers. Technical Report, SMHI/DHI/LIC Joint Venture.
- Andersson, O., Nordell, B. and Johansson, S. 1993. Innovative and Cost-Effective Cold Storage Applications in Sweden. International Energy Agency (IEA) Annex 7.
- Nordell, B. m.fl. 1993. Ekostad Norr. Ramprogram för långsiktigt byggande i kallt klimat. Inst. för Samhällsbyggnadsteknik, Tekniska Högskolan i Luleå. Ekostad Norr Rapport 1:1993.
- Andersson, O., Nordell, B. and Johansson, S. 1993. Innovative and Cost-Effective Seasonal Cold Storage Applications in Sweden. International Energy Agency (IEA) Annex 7, Juni, .
- Sellgren, A. 1992. MITU/G2000: Hydrauliska Fyllsystem. Slutrapport - Resultatsammanställning. Juli.
- Sundqvist, Å. 1992. Hydraulisk återfyllning. Systembeskrivningar för fyra gruvor. Teknisk rapport 1992:04T, Avdelningen för Vattenteknik, Tekniska Högskolan i Luleå.
- Olsson, P. and Sellgren, A. 1992. Vattentrycksreglerade frysskyddsanordningar. Översiktlig funktionsstudie. 1992:11T.
- Sundqvist, Å. 1991. Isproblem i svenska vattendrag. Teknisk rapport 1991:20T, Water Resources Engineering, Tekniska Högskolan i Luleå.
- Backman, L. and Nordell, B. 1991. Innovative and Cost-Effective Seasonal Cold Storage Applications. State-of-the-Art-Review in Sweden. International Energy Agency (IEA) Annex 7. Oct.
- Andersson, A. 1991. Video "Frazil Ice Formation and Adhesion on Trash Racks". Beskrivande video av isproblemen i fält.
- Shen, H.T., et al., 1991. A Mathematical Model for Oil Slick Transport and Mixing in Rivers. Report No. 91-1, Department of Civil and Environ. Eng., Clarkson University, Feb.
- Nordell, B., Söderlund, M. 1991. Solvärme och Värmelagring. Kursbok i civilingenjörsutbildningens åk 5. Avd f Vattenteknik Serie C nr 16. Högskolan i Luleå. pp. 135.
- Jansson, B.O. 1990. The Path of snow Particles in a light Wind. Research Report TULEA 1990:23. Div. of Water Res. Eng. Luleå Univ. of Tech. Luleå, Sweden.

Andersson, A. 1990. Kylvatten som värmekälla för begränsning av istryck mot dammluckor till kraftverk. Teknisk rapport, Tekniska Högskolan i Luleå, 1990:06T.

Sellgren, A. 1990. Restprodukthantering vid mineralberedningsverk, STU-rapport. Serie A no 182, Avd för Vattenteknik, Luleå Tekniska Högskola.

Nordell, B. 1990. A Borehole Heat Store in Rock at the University of Luleå. The Lulevärme project 1982-1988. Document D12:1990. Swedish Council for Building Research.

Nordell B, Hallberg R.O, Sjöberg L (1989). Leaching of rock fractures. Laboratory and field test for borehole heat stores. Tunnelling and Underground Space Technology, Vol. 4, No 1, 1989, Pergamon Journals Ltd. pp.99-107.

Nordell, B. 1989. Borrhålsvärmelager i berg vid Högskolan i Luleå. Slutrapport - projekt Lulevärme 1982-1988, dec. TULEA 1989:24.

Nordell, B., Hallberg, R. and Sjöberg, L. 1988. Leaching of rock fractures. Laboratory and field tests for borehole heat stores. Swedish Council for Building Research. Document D4:1988.

Jansson, B-O. 1987. Fullskaleförsök med utvändig tratt i vägtrummor. 1987:45T.

Nordell, B. 1987. The borehole heat store in rock at the Luleå University of Technology. Constructional and operational experience. The Luleåvärme project 1982-1985. Swedish Council for Building Research. Document D6:1987.

Jansson, B-O. 1987. Tryckberäkning kring små klossar. TULEA 1987:001.

Nordell, B. 1986. Borrhålsvärmelager i berg vid Högskolan i Luleå. Anläggnings- och driftserfarenheter. Projekt Luleåvärme 1982-1985. 1986:023T.

Söderlund, M. and Nordell, B. 1986. Solvärme från takytor för återladdning av markvärmesystem. Teoretisk studie. TULEA 1986:06.

Sellgren, A. 1986. Ekonomisk drift av slurry-pumpinstallationer. 1986:09T.

Nordell, B. 1986. Ismotorn - hydraulisk kraftöverföring av istryck. 1986:06T.

Mäkitalo, L-I. 1985. Simuleringar av värmeuttag med slutet system i istäckta sjöar. Simulation of heat extraction with closed systems on icecovered lakes. TULEA 1985:17.

PhD Theses

- Liuzzo Scorpo, Alberto PhD thesis Trieste University, Trieste, Italy, 2014.
Guest PhD student at LTU during 18 months.
- Lindblom, Jenny Condensation irrigation : a combined system for desalination and irrigation. Doctoral Thesis, 2012
- Kharseh, Mohamad Reduction of prime energy consumption by ground source heat pumps in a warmer world. Doctoral Thesis. 2011.
- Amara, Sofiane Novel and ancient technologies for heating and cooling buildings. Doctoral Thesis., 2011.
- Gustafsson, Anna-Maria Thermal response tests: influence of convective flow in groundwater filled, borehole heat exchanger. Doctoral Thesis. 2010.
- Skogsberg, Kjell Seasonal Snow Storage for Space and Process Cooling. Doctoral Thesis, 2005.
- Tuomas, Göran Water powered percussive rock drilling:process analysis, modelling and numerical simulation. Doctoral Thesis, 2004.
- Signhild Gehlin Thermal Response Test. Doctoral Thesis. Method Development and Evaluation. Doctoral Thesis 2002:39, LTU.
- Billstein Mats Influence of fractures and air bubbles on the pressure distribution in embankment dams. Doctoral Thesis 2000:21.
- Sundin Eva Snow Deposit Melt and Atmospheric Icing. Analysis and Modelling by Weather Station Data. Doctoral Thesis 1998:37.
- Andersson Annika FRAZIL ICE AT WATER INTAKES. Doctoral Thesis 1997:04.
- Lundberg Angela INTERCEPTION EVAPORATION. Process and measurement techniques. Doctoral Thesis 1996:196D.
- Sundqvist Åsa Hydraulic Transport of Mineral and Ore Products.Friction Losses of Stratified Flows at High Solids Concentrations. Doctoral Thesis 1996:195D.
- Nordell Bo Borehole heat store design optimization. Doctoral Thesis 1994:137D.
- Engelmark Helén Heat and Water Flows in Freezing and Thawing Soils. Numerical Modelling, Laboratory and Field Observations. Doctoral Thesis 1993:128D.
- Andréasson Patrik A numerical investigation of energy conversions in geophysical

boundary layers. Doctoral Thesis 1991:099D.

Larsson Rolf Coriolis generated secondary currents and their effects on turbulent channel flow. Doctoral Thesis 1986:51D.

Licentiate Theses

- Kharseh, Mohamad Reduction of prime energy consumption in the Middle East by GSHP systems. Licentiate Thesis, 2009.
- Gustafsson, Anna-Maria Thermal response test: numerical simulations and analyses. Licentiate Thesis, 2006.
- Lindblom, Jenny Condensation irrigation: simulations of heat and mass transfer. Licentiate Thesis, 2006
- Maria Engström Seasonal turnover in groundwater. Licentiate Thesis, 2005.
- Tuomas Göran System for water driven down-hole hammer drilling. Licentiate Thesis 2001:53.
- Skogsberg Kjell Seasonal snow storage for cooling applications. Licentiate Thesis 2001:51.
- Olsson Peter Influence of Ice-Cover on Local Scour at Circular Bridge Piers - An experimental study. Licentiate Thesis 2000:37.
- Gehlin Signhild Thermal Response Test. In-Situ Measurements of Thermal Properties in Hard Rock. Licentiate Thesis 1998:37.
- Billstein Mats Development of a Numerical Model of Flow Through Embankment Dams. Licentiate Thesis 1998:17.
- Sundin Eva Atmospheric Icing. Failure studies and ice load predictions on masts by weather station data. Licentiate Thesis 1995:01L.
- Hammar Lars Frazil Ice Evolution in Open Channels. Licentiate Thesis 1994:36L.
- Sundqvist Åsa Hydraulic Fill Transport. Flow Characterization of Cyclone Classified Tailings. Licentiate Thesis 1993:24L.
- Andersson Lars-Olof Ice Accretion and Ice Adhesion to Polymer Materials. Licentiate Thesis 1993:23L.
- Lundberg Angela Evaporation of Intercepted Snow. Measurement Techniques and Governing Factors. Licentiate Thesis 1993:13L.
- Yi-Chin Chen Lagrangian Discrete Parcel Simulation of Two Dimensional River Ice Dynamics. Licentiate Thesis 1992:18L.

- De Sheng Wang Frazil Jam Evolution and Transport of Low Density Granules. Licentiate Thesis 1992:17L.
- Andréasson Patrik Open Channel Flow of Hyper-concentrated Suspensions. Viscous effects and aspects on the carrying capacity of mineral particles. Licentiate Thesis 1989:13L.
- Väppling Lennart Slurry Transport of Ores and Industrial Minerals by Centrifugal Pumps. An Experimental Investigation in a Horizontal Pipe-loop. Licentiate Thesis 1989:09L.
- Häggkvist Kenneth Numerisk modellering av strömningsförhållanden över horisontellt homogena ytor med stora råhetelement. (English summary). Licentiate Thesis 1988:05L.
- Fällman Ann-Marie Water quality simulations for tailings ponds in cold regions. Licentiate Thesis 1988:03L.
- Söderlund Monika Water film solar collectors. Solar heat from asphalt and roof surfaces. Licentiate Thesis 1987:07L.
- Nordell Bo Borrhålsvärmelager - förstudie och fältförsök. Borehole heat store. Pre-study and field test. Licentiate Thesis 1986:09L.
- Engelmark Helén Infiltration and runoff during the period of snow melt. Field observations and numerical simulations. (Infiltration och avrinning under snösmältningsperioden. Fältobservationer och numeriska simuleringar. Licentiate Thesis 1986:08L
- Westerström Göran Estimating urban snowmelt runoff by the temperature index approach. Licentiate Thesis 1986:003L.
- Sandkvist Jim Brash ice behaviour in frequented ship channels. Licentiate Thesis 1986:001L.
- Holmbom Åke Numerical predictions of flow over two-dimensional obstacles. Licentiate Thesis: TULEA 1982:22

MSc Theses

- Enström, Lenny 2014
- Bonjoch Cots, Salvador Collection, Transportation, Storage and Conversion of Solar Light - Energy system for a single-family house. LTU-EX-2013-43264006.pdf
- Gasia, Jaume and Latorre Mi-quel Lucifer, a New Type of Solar Collector.. LTU-EX-2012-36953075.pdf
- Segeberg, Simon Energioptimering av Boden Arena. LTU-EX-2012-34651800.pdf (in Swedish)
- Bomhard, Jakob Dry Water. LTU-EX-2011-33437750.pdf
- Domenech, Ferran Fuste Implementation of maintenance system for a wind farm. LTU-EX-2011-33653029.pdf
- Pomar. Francisco Javier and Garcia, Cristina Borehole Systems in Spain. LTU-EX-2011-33356338.pdf
- Jonsson, Olle Energieffektivisering av ishallar. (Efficient Energy Use in Ice Arenas). LTU-EX-2009/148.pdf. (in Swedish)
- Lindberg, Martin and Norin, Kristoffer Dimensionering av uppvärmningssystem för Kv. Näcken, Piteå (Design of heating system for residential area in Piteå). LTU-HIP-EX-2007/10.pdf (in Swedish)
- Widatalla, Asim Wind Driven Plate Tectonics. LTU-PB-EX-2007/082.pdf.
- Nilsson, Martin EU:s ramdirektiv för vatten: konsekvenser för svensk vattenkraft (Consequences of the New European Water Directive). LTU-EX-2006/328.pdf (in Swedish).
- Hjort, Jonathan Vindkraftsalternativ för större hushåll och medelstora gårdar. 2006:047 (Wind Turbines for households and small farms). (in Swedish)
- Bergh, Mattias and Nilsson Andreas Energiutredning Norrbottens Läns Landsting. Björkskatans och Hertsöns vårdcentraler. (Energy Study NLL). LTU-HIP-EX-2006/022.pdf. (in Swedish).
- Sundberg, Peter Termisk energilagring genom fasändringsprocesser: en studie av systemlösningar och produkter med fasändringsmaterial (Thermal energy storage through phase change: A study of systems and applications). LTU-EX-2006/020.pdf. (in Swedish).

Ahlström, Anna-Karin	Frysproblem i bergvärmebrunnar. (Freezing Problems in Energy Wells). 2005:070 CIV. (in Swedish).
Börjesson, Lars	Utvärdering och optimering av bergvärmesystemet vid kvarteret Barnfröken. (Evaluation and Optimization of Borehole Heat Storage System). 2005:014 CIV. (in Swedish).
Mas Miret, Sergei	Heat accumulation in air, water and ground as a result of global warming. LTU Report 2005
Nunes de Carvalho, Lara	Potential for Borehole Systems in Portugal. LTU Report No: 2004:052 CIV
Sjöberg, Hans	Fiskpassage i Luleå innerfjärdar (Fish passage in the Luleå bays). LTU Report No: 2003:311 CIV. (in Swedish).
André, Erik Schade, Jutta	Daylighting by Optical Fiber. Examensarbete: 2002:260 CIV.
Gustavsson, Björn	Förstudie för teknikupphandling av vedpannor. LTU Report No: 2003:082 CIV. (in Swedish)
Hogdin Susanna	Fallförluster i älvar på grund av broar och isbildning. Examensarbete 2001:325 CIV.
Dalemalm Dan Wennberg Thord	Gods och vattenbalansstudie vid LKAB:s malmförädling i Svappavaara. Examensarbete 2001:58 HIP.
Gustafsson Anna-Maria Jenny Lindblom	Underground condensation of humid air: a solar driven system for irrigation and drinking-water production. Examensarbete 2001:140 CIV.
Malmqvist, Sofia	Ökad användning av biobränsle i Norrbotten. Lokala effekter. (Local effects of increased use of biofuel in Norrbotten) 2000:199 CIV.(in Swedish)
Lundberg Jonas	Säsongslagrad spillvärme för avisning av Kallax landningsbana. Examensarbete 2000:212 CIV.
Jonas Hedlund Peter Svärd	A groundwater assessment study, in the Phillipines: with emphasis on water treatment regarding iron and manganese. Examensarbete 2000:189 CIV.
Näslund Magnus	Fjärrkyla i Sundsvall baserad på sjövatten och lagrad snö. Examensarbete 2000:132 CIV.
Malmqvist Sofia	Ökad användning av biobränsle i Norrbotten. Lokala effekter. Examensarbete 2000:199 CIV.

Engman Monica Eriksson Katarina	Ny deponeringsteknik för LKAB. Examensarbete 2000:45 HIP.
Helena Beyerl	Increased melt rate due to wood ash on snow. Examensarbete 1999:246 CIV.
Johansson Per	Säsongslagring av kyla i bergrum. Examensarbete 1999:184 CIV.
Miranda Alvarez Carlos	Cold collectors. A sustainable alternative for cold production. Examensarbete 1999:129 CIV.
Skogsberg Kjell	Bergvärmeanläggningen vid Hotell Storforsen. Utvärdering av de första årens drift. Examensarbete 1998:286.
Hannu Margareta Sundberg Li	LÅNGSKATASKOLAN. En utvärdering av inre och yttre miljö. Examensarbete 1998:285 CIV.
Persson Jenny	Potentialstudie för kölldlagring i Frykanten. Examensarbete 1998:201 CIV.
Nordblom Ola	Numerical Simulation of the Atmospheric Surface Layer. Master's Thesis 1997:351 CIV.
Hammarberg Ola	Fisktrappa vid Sikfors kraftverk. Funktionsbeskrivning och förslag till ny ingångskonstruktion. 1997:264 CIV.
Strid Maria	Studie av hydrauliska strömningsförluster i termiska borrhållager. 1997:237 CIV.
Gidmark Mats Nilsson Susanne	Lagring av kyla i berg. Ett fjärrkylnät på Porsön, Luleå. 1997:211 CIV.
Eklöf Catarina Gehlin Signhild	TED. A Mobile Equipment for Thermal Response Test. Testing and Evaluation. 1996:198E.
Nilsson Gunnel Sundvall Terese	Availability and Handling of Water at the Boliden Apirsa Mine and Concentrator. 1996:193E.
Karlsson Anna-Karin	Undersökning av oljeutsläpp nedströms vattenkraftverk. 1996:184E.
af Geijerstam Lena	VIBRATIONSPUMPEN. En studie av vibrationsdriven strömning. THE VIBRATION PUMP. A study of vibration induced flow. 1996:097E.
Fors Kenneth	Luleå Innerfjärdar VATTENOMSÄTTNING. 1996:073E.

Larsson Anders	Dygnsvärmelagring i växthus. Storage of diurnal heat in greenhouses. 1996:046E
Bomark Sven Sahlman Andreas	Deponering av anrikningssand under vatten. 1995:156E.
Nilsson David Olshammar Mikael	Luleå innerfjärdar. Hydraulisk modellering med MIKE 11.1995:140E.
Johansson Jan Josephsson Börje	Naturvärmesystem för biltestningsanläggning i Slagnäs. Ground Heat Storage System for the Car Test Plant at Slagnäs.1995:139E.
Åberg Håkan Wiklund Magnus	Kanal Fårön, Piteå kommun.1994:139E.
Johansson Erik	Nitrogen Modelling with IHMS-N in the Ljusnan River Basin. Programming and application. 1994:119E.
Billstein Mats	Utformning av pirar vid småbåtshamn i Umeälven. 1993:154E.
Johansson Rose-Marie	Avdunstning av interceperad vinternederbörd: Analys av fältmätningar Luleå 1993. 1993:086E.
Belander Åsa	Langas. En studie av isläggningen och uppkomna svag-isområden längs älvsträckan nedströms Vietas kraftstation.1993 :010E.
Carlsson, Bo and Nylén, Karl-Olof	Kombinationsvärmelager i berg. (The Combination Heat Store) 1991:147E.
Mariedahl Thomas Vanhatalo Gunbritt	Isproblem i Torneälv. Studie av delsträckan Lovikka-Pajala. 1990:072E.
Olsson Peter Ödberg Ulf	Vattenfylld gruva som värmekälla.1990:051E.
Håkansson Eva Viklander Maria	Datorsimulerad kalkning. Verifiering av PROBE mot ett antal sjöar.1989:057E.
Färm Carina	Simulering av dagvattenflöden i VA-system med datormodellen Wallrus. 1989:040E.
Molin, Lena and Olsson, Susanne	Sedimenttransport i rinnande vatten - laboratorieförsök (Sediment Transport in Flowing Water - laboratory tests). Environment and Natural Resources. Kalmar University, Sweden. Diploma Thesis 1989:5.
Henriksson Lars	Simulering av tjäldjupet i snötäckt mark. 1988:139E.

Wiklund Ulf	Diffusa utsläpp av tungmetaller från Östra Dammen vid önskärsverken. 1988:136E.
Nilsson Barbro Ashrafi Mohammed	Isproblem i Torneälv. 1988:109E.
Larsson Kjell Isaksson Niklas	Is-termometern. 1988:092E.
Eriksson Mikael	Simulerad sjökalkning med datormodellen PROBE. 1988:057E.
Nilsson Hanzemil	Grundvattenströmmar och nitratförekomst inom Örbyfältet, Helsingborg.1988:007E.
Grubbström Jörgen Litorell Martin	Kylning av rökgaser med vatteninsprutning. Modellförsök och simulering. 1987:082E.
Göhlman Anna	Uppvärmning av frusen mark. 1987:030E.
Andersson Annika	Numerisk simulerad kalkning.1986:091E.
Rubin Lars Engström Gunilla	Tröskeldammar i Nissan: En tillämpning av HEC-2A.1986:054E.
Widegren Mari	Condensation irrigation: A desalination - Irrigation system.1986:002E.
Kull Per Olov Majbäck Britt-Marie	Bergvärme med återladdning. 1985:076E.
Andréasson Patrik	Numerisk simulering av strömning i en konisk diffusor.1985:024E.
Calminder Björn	Kartering av vass med Landsat MSS-Data samt en översikt över vass som energiråvara.1985:022E.
Larsson Siv	Kalkning av sjöar och vattendrag. En metodstudie.1985:012E.
Mellberg Anders Stenmark Christer Petäjaniemi Markus	Översvämningsbegränsningar i Korpikån: Beräkningar med HEC 2A. 1984:086E.
Enquist Anders Öhgren Michael	Messaurebäcken: En undersökning av möjligheterna till vattenkraftutbyggnad av ett mindre vattendrag. 1984:084E.
Strid Martin	Rytmask strömning: En studie av virbela flödesformer.1984:072E.

Isacsson Göran	Värmeförsörjning i nya bostadsområden. Planering, teknik, ekonomi. 1984:060E.
Fiskum Lars-Erik Witzöe Karl Arne	Oljeutslipp fra tankskip langs Norskekysten: En kartlegging av ulykker og konsekvenser.1984:038E.
Häggström Peter Niskanen Johnny	Förtjockning och värmeåtervinning av direkt cirkulation av processvatten vid ett malmanrikningsverk. 1983:002E.
Niemi Thomas	Statistisk analys av våtmarkernas flödesbidrag till flodavrinningen. 1982:065E.
Lindmark Per Mäkitalo Lars-Inge	Dikning av myrmarker. 1982:060E.
Engelmark Helén Karlsson Birgitta	Markavvattning: Projektering av huvudavlopp med dator: Nyttovärdering och konsekvens. 1982:025E.
Nilsson Carl-Erik	Ett växthus för Norrland.1982:017E.
Lagesson Eije Vikström Per	Turbulent spridning i atmosfärens ytskikt.1982:012E.
Sunesson Göran Carlsson Henrik	Minikraftverk: En undersökning av möjligheterna att bygga minikraftverk i Älvsby kommun.1981:015E.
Marton Maria Andersson Anders	Permeabilitet i berg: Provtryckning av värmelagret – Porsön.1981:030E.
Fors Lars	Växthus med värmeåtervinning ur ventilationsluften och med korttidslagring i en värmeaccumulator.1981:032E.
Ragnar, Nilsson and Nordell, Bo	Försök med turbulensminskning (Reduction of Turbulence). 1979:040E. (in Swedish)