

# CV: Thomas Ingeman-Nielsen

Civil status                      Date of birth October 4, 1974, Danish citizen, Married, 2 children  
Contact information (work)      Arctic Technology Centre, Department of Civil Engineering, Technical University of Denmark, Brovej, Building 118, DK-2800 Kgs. Lyngby, Denmark  
Phone: +45 45252251 / +45 53858075  
E-mail: tin@byg.dtu.dk  
ORCID-ID                              0000-0002-0776-4869

## Professional preparation:

2011 – PhD supervision – Tools and methods, Technical University of Denmark  
2010 – Project management for university researchers, Technical University of Denmark  
2009 – UDTU Teaching&Learning, Education in University Teaching, Technical University of Denmark  
2005 – Ph.D. in Applied Geophysics, Dep. of Civil Engineering, Technical University of Denmark  
2001 – Cand. Polyt. (M.Sc. Eng.), Technical University of Denmark

## Employment record:

2010 – present: Associate professor at Arctic Technology Centre (ARTEK), Dep. of Civil Engineering, Technical University of Denmark  
2005 – 2010: Assistant professor at Dep. of Civil Engineering, Technical University of Denmark  
2004: Consulting geophysicist, Zonge Engineering and Research Organization, Tucson, Arizona, USA (3 months)

## Research interests:

Geophysical methods for permafrost mapping and monitoring, mechanical properties of frozen ground, thermal modelling, climatic impacts and risk assessment on arctic infrastructure and constructions. Sustainable infrastructure planning.

## Academic and professional experience :

- Research, teaching and supervision related to the use of geotechnical and geophysical techniques applied to permafrost investigations in Greenland
- Site investigations for infrastructure projects in West and South Greenland: roads, harbours, airports.
- Co-PI on research project: Understanding and predicting non-linear change in the permeability of Greenland firn (RETAIN), 2015-2018, funded by Det frie forskningsråd – Natur og Univers, DFF 4002-00234.
- Lead author on Chapter 10: "Built infrastructure" for the AMAP Adaptation Actions for a Changing Arctic (AACAA) for the Baffin Bay – Davis Strait region. Project period 2014-2017.
- PI on research project: *Stability of fine grained Greenlandic marine sediments in a warming climate*, 2009-2011, funded by Kommissionen for Videnskabelige Undersøgelser i Grønland.
- Co-I on international research project: *Recent and future permafrost variability, retreat and degradation in Greenland and Alaska: An integrated approach*, 2006-2010, funded by US NSF OPP ARC- 0612533.
- Co-PI on research project: *Pilot study related to mapping of potential for exploitation of geothermal energy in Greenland*, 2006-2007, funded by Kommissionen for Videnskabelige Undersøgelser i Grønland.
- Chair of organizing and scientific committees for the conference AIC2018: Transportation Infrastructure Engineering in Cold Regions. Sisimiut, Greenland, 1-3/5 2018.
- On the scientific committee for the conference Near Surface Geoscience 2017. Lund, Sweden, 3-7/9 2017.
- Organizer of the International Conference on Arctic Roads, Sisimiut, Greenland, 2007.

## MSc and Phd supervision:

- 12 Graduated MSc candidates: Tobias Orlander, Pilar Millan Pastor, Adrian Laufer, Daniel Jakobsen, Eskild Thulani Paamand, Jørn Rasmussen, Peter Baj Lund, Heidi Skytte Larsen, Jean-Pierre Posselt, Brian Kibenich, Inooraq Brandt, Nicolai S. Bennedsen.
- 4 PhD candidates (in progress): Frederik Ancker Agergaard, Soňa Tomašková, Baptiste Robert Marcel Vandecrux, Dennis Monteban.

## Review assignments:

Cold Regions Science and Technology; Swiss National Science Foundation; Arctic, Antarctic, and Alpine Research; GEOPHYSICS; Inverse Problems in Science & Engineering; Permafrost and Periglacial Processes; Near Surface Geophysics; Computers & Geosciences; Comptes Rendus Geosciences; 9<sup>th</sup> International Conference on Permafrost; Elsevier publishing (book chapter)

## Professional Assignments and Memberships:

- **IPA**, International Permafrost Association, National Representative for Denmark and Greenland
- **GTN-P**, Global Terrestrial Network for Permafrost, National Representative for Denmark and Greenland
- **DGF**, The Danish Geotechnical Association. Participation as university representative in the DGF committee on field investigations, with involvement in standardization and guidelines for geotechnical field investigations. E.g. completed work on a National Annex for the EuroCode EC7/EN1997 Geotechnical design.
- **SAFT**, The Danish Association for Arctic Research and Technology, Member of the Executive Committee

Publications (published papers and drafts available upon request)

## Journal publications:

- Ingeman-Nielsen, T.** and Tomaškovičová, S. (in review): Systematic errors in geoelectrical measurements with finite spheroidal electrodes. Submitted to Geophysical Prospecting.
- Agergaard, F. A. & **Ingeman-Nielsen, T.** (in review): *Temperature effect on strength of undisturbed frozen ice-poor silty clay under triaxial compression*. Submitted to Cold Regions Science and Technology.
- Belmonte, L., Foged, N. & **Ingeman-Nielsen, T.** (in review): *Characterisation and weathering properties of fine-grained marine sediments from West Greenland*. Submitted to Journal of Engineering Geology.
- Anderson, NJ, Saros, JE, Bullard, JE, Cahoon, SMP, McGowan, S, Bagshaw, EA, Barry, CD, Bindler, R, Burpee, BT, Carrivick, JL, Fowler, RA, Fox, AD, Fritz, SC, Giles, ME, Hamerlik, L, **Ingeman-Nielsen, T.**, Law, AC, Mernild, SH, Northington, RM, Osburn, CL, Pla-Rabès, S, Post, E, Telling, J, Stroud, DA, Whiteford, EJ, Yallop, ML & Yde, JC, (2017): *The Arctic in the Twenty-First Century: Changing Biogeochemical Linkages across a Paraglacial Landscape of Greenland*. BioScience. DOI: 10.1093/biosci/biw158
- Ingeman-Nielsen, T.**, Tomaškovičová, S. and Dahlin, T. (2016): Effect of Electrode Shape on Grounding Resistances, Part I: The Focus-One Protocol. Geophysics vol. 81(1), WA159-WA167. doi: 10.1190/geo2015-0484.1
- Tomaškovičová, S., **Ingeman-Nielsen, T.**, Christiansen, A. V, Brandt, I., Dahlin, T. and Elberling, B. (2016): Effect of Electrode Shape on Grounding Resistances, Part II: Experimental results and cryospheric monitoring. Geophysics vol. 81(1), WA169-WA182. doi:10.1190/GEO2015-0148.1
- Yde, J. C., Tvis Knudsen, N., Steffensen, J. P., Carrivick, J. L., Hasholt, B., **Ingeman-Nielsen, T.**, Kronborg, C., Larsen, N. K., Mernild, S. H., Oerter, H., Roberts, D. H. and Russell, A. J. (2016). *Stable oxygen isotope variability in two contrasting glacier river catchments in Greenland*. Hydrology and Earth System Sciences, 20(3), 1197–1210. doi:10.5194/hess-20-1197-2016
- Doetsch, J., **Ingeman-Nielsen, T.**, Christiansen, A. V., Fiandaca, G., Auken, E. and Elberling, B. (2015): *Direct current (DC) resistivity and induced polarization (IP) monitoring of active layer dynamics at high temporal resolution*. Cold Regions Science and Technology, Vol. 119, pp. 16-28. doi:10.1016/j.coldregions.2015.07.002
- Carrivick, J. L., Turner, A. G. D., Russell, A. J., **Ingeman-Nielsen, T.**, & Yde, J. C. (2013). *Outburst flood evolution at Russell Glacier, western Greenland: effects of a bedrock channel cascade with intermediary lakes*. Quaternary Science Reviews, 67, 39–58. doi:10.1016/j.quascirev.2013.01.023
- Russell, A. J., Carrivick, J. L., **Ingeman-Nielsen, T.**, Williams, M. and Yde, J. C (2011): *A new cycle of jökulhlaups at Russell Glacier, Kangerlussuaq, West Greenland*, Journal of Glaciology, 57, 238-246.
- Daanen, R. P., **Ingeman-Nielsen, T.**, Marchenko, S. S., Romanovsky, V. E., Foged, N., Stendel, M., Christensen, J. H., et al. (2011). *Permafrost degradation risk zone assessment using simulation models*. The Cryosphere, 5(4), 1043–1056. doi:10.5194/tc-5-1043-2011
- Christiansen, H.H., Etzelmüller, B., Isaksen, K., Juliussen, H., Farbro, H., Humlum, O., Johansson, M., **Ingeman-Nielsen, T.**, Kristensen, L., Hjort, J., Holmlund, P., Sannel, A.B.K., Sigsgaard, C., Åkerman, H.J., Foged, N., Blikra, L.H., Pernosky, M.A. & Ødegård, R. (2010): *The Thermal State of Permafrost in the Nordic Area during the International Polar Year 2007–2009*. Permafrost and Periglac. Process. 21, pp. 156–181.
- Ingeman-Nielsen, T.** and Baumgartner, F. (2006): *CR1Dmod: A Matlab Program to Model 1D Complex Resistivity Effects in Electrical and Electromagnetic Surveys*, Computers & Geosciences, Vol. 32(9), pp. 1411-1419
- Ingeman-Nielsen, T.** and Baumgartner, F. (2006): *Numerical Modelling of Complex Resistivity Effects on a Homogeneous Half-Space at Low Frequencies*, Geophysical Prospecting, Vol. 54(3), pp. 261-271

## Book chapters

**Ingeman-Nielsen, T.**, Lemay, M., Allard, M., Barrette, C., Bjella, K., Brooks, H., Carbonneau, A.-S., Doré, G., Ducharme, M.-A., Foged, N., L'Héroult, E., Lading, T. & Mathon-Duffour, V. (2017): *Chapter 10 - Built Infrastructure*. In: AMAP: *Adaptation Actions for a Changing Arctic - Perspectives from the Baffin Bay/Davis Strait Region*. Arctic Monitoring and Assessment Programme (AMAP), Oslo, Norway. In press.

## Conference papers and other publications

- Ingeman-Nielsen, T.** & Foged, N. (2016): The construction of Kangerlussuaq Airport - A case story from West Greenland. Proceedings of the XI. International Conference on Permafrost, paper id: 1233.
- Tomaškovičová, S., **Ingeman-Nielsen, T.** (2016): Automated long-term time lapse ERT monitoring of high-latitude permafrost – results of 3 years of monitoring and modeling study. Proceedings of the XI. International Conference on Permafrost, pages: 990-991
- Tomaškovičová, S., **Ingeman-Nielsen, T.**, Christiansen, A. V., Brandt, I., Dahlin, T. and Elberling, B. (2016): Optimizing electrode shapes for ERT monitoring in permafrost areas. Proceedings of the XI. International Conference on Permafrost, pages: 988-989
- Malenfant-Lepage, J., Doré, G., **Ingeman-Nielsen, T.** & Fortier, D. (2016): Using resistivity method to characterize water flow patterns in permafrost environment (Ilulissat, Greenland). Proceedings of the XI. International Conference on Permafrost, paper id: 566.
- Stenstad, J.G., Eppeland, K.G. and **Ingeman-Nielsen, T.** (2015): New Harbor in Kangerlussuaq, Western Greenland. Field Investigations and Utilization of Existing Materials. Proceedings of the 23<sup>rd</sup> International Conference on Port and Ocean Engineering under Arctic Conditions. Trondheim. 12 p.
- Doetsch, J., Fiandaca, G., **Ingeman-Nielsen, T.**, Christiansen, A. V., Auken, E. and Elberling, B. (2015): *Direct current (DC) resistivity and induced polarization (IP) monitoring of active layer dynamics at high temporal resolution*. Near Surface Geoscience, Turin, Italy, 4 p.
- Belmonte, L.J., **Ingeman-Nielsen, T.** and Foged, N. (2015): *Weathering of glaciogene marine clays from West Greenland*. Proceedings of EuroClay 2015, Edinburgh, p. 253.
- Tomaskovicova, S., **Ingeman-Nielsen, T.** and Bauer-Gottwein, P. (2014): *Optimization of thermal parameters of frozen ground using surface geoelectrical data from permafrost monitoring and air temperature measurements*. Accepted for oral presentation at the 4<sup>th</sup> European Permafrost Conference, Portugal, June 2014.
- Foged, N., **Ingeman-Nielsen, T.** and Belmonte, L. (accepted): *Geotechnical variability of permafrozen glaciomarine clays in Sdr. Strømfjord in Greenland*. Accepted for poster presentation at the 4<sup>th</sup> European Permafrost Conference, Portugal, June 2014.
- Doetsch, J., **Ingeman-Nielsen, T.**, Christiansen, A. V., Fiandaca, G., Auken, E., Adamson, K., Lane, T. and Elberling, B. (2014): *Direct current (DC) resistivity and induced polarization (IP) monitoring of active layer dynamics at high temporal resolution*. Geophysical Research Abstracts, Vol. 16, EGU2014-10711.
- Doetsch, J., Christiansen, A. V., Auken, E., Fiandaca, G., **Ingeman-Nielsen, T.** and Elberling, B. (2013): *Monitoring of active layer refreezing in Greenlandic Permafrost*. Abstract for oral presentation at 2nd International Workshop on Geoelectrical monitoring, Austria.
- Ingeman-Nielsen, T., Tomaškovičová, S., Høgholt, S., Mulvad, S. and Trabjerg, K. (2013): *Comparison of alternative electrode types for improvement of electrode-ground contact in high-latitude permafrost monitoring*. Abstract for oral presentation at 2nd International Workshop on Geoelectrical monitoring, Austria.
- Tomaskovicova, S., Paamand, E., **Ingeman-Nielsen, T.** and Bauer-Gottwein, P. (2013): *Coupled thermo-geophysical inversion for high-latitude permafrost monitoring – assessment of the method and practical considerations*. Geophysical Research Abstracts Vol. 15, EGU2013-764.
- Carrivick, J. L., Turner, A. G. D., Russell, A. J., **Ingeman-Nielsen, T.**, and Yde, J. C. (2013). *Outburst flood evolution at Russell Glacier, western Greenland: effects of a bedrock channel cascade with intermediary lakes*. Geophysical Research Abstracts Vol. 15, EGU2013-2818.
- Agergaard, F. A. and **Ingeman-Nielsen, T.** (2012): Strength Properties of Warming Fine-Grained Permafrost. Extended abstracts of the Tenth International Conference On Permafrost (Vol. 4, pp. 9–10).
- Agergaard, F. A., **Ingeman-Nielsen, T.** and Foged, N. (2012): *Suggested best practice for geotechnical characterisation of permafrost in the Nordic countries*, Proceedings of Nordic Geotechnical Meeting 2012
- Agergaard, F. A., and **Ingeman-Nielsen, T.** (2012). Development of bearing capacity of fine grained permafrost deposits in western greenland urban areas subject to soil temperature changes. In B. Morse & G. Doré

- (Eds.), *Cold Regions Engineering 2012: Sustainable Infrastructure Development in a Changing Cold Environment* (pp. 82–92). American Society of Civil Engineers (ASCE).
- Brandt, I., Foged, N. N., & **Ingeman-Nielsen, T.** (2012). Fundering og anlæg på permafrost i Grønland. In H. P. Steenfos & J. Taagholt (Eds.), *Grønlands teknologihistorie* (pp. 199–204). Gyldendal.
- Foged, N. and **Ingeman-Nielsen, T.** (2012): *Permafrost degradation in West Greenland*, Proceedings of the 30th Nordic Geological Winter Meeting, ISBN 978-9979-72-096-6, p. 62-63
- Fortier, R., Arenson, L. U., Fujun, N., Doré, G., Varlamov, S. P., Zabolotnik, S., **Ingeman-Nielsen, T.**, St-Laurent, J.-F. (2012). Engineering Test Sections in Permafrost Environment. Extended abstracts of the Tenth International Conference On Permafrost (Vol. 4, pp. 153–154).
- Ingeman-Nielsen, T.**, Gori, P., & Tomaskovicova, S. (2012). An Optimization Algorithm For Interpreting Thermal Parameters For Frozen Soils With Significant Unfrozen Water Content. Extended abstracts of the Tenth International Conference On Permafrost (Vol. 4, pp. 224–225).
- Ingeman-Nielsen, T.**, Tomaskovicova, S., Larsen, S. H., Aparício, S. F., & Gori, P. (2012). Surface Geophysical Measurements for Locating and Mapping Ice-Wedges. In B. Morse & G. Doré (Eds.), *Cold Regions Engineering 2012: Sustainable Infrastructure Development in a Changing Cold Environment*.
- Jørgensen, A. S., & **Ingeman-Nielsen, T.** (2012). Optimization in the use of Air Convection Embankments for Protection of Underlying Permafrost. In B. Morse & G. Doré (Eds.), *Cold Regions Engineering 2012* (pp. 12–20). American Society of Civil Engineers (ASCE).
- Jørgensen, A. S., Klemmensen, R. L., **Ingeman-Nielsen, T.**, Doré, G. & Malenfant-Lepage, J. (2012). Assessment of Different Heat Drain Materials for Protection of Permafrost under Road and Airfield Embankments. Extended abstracts of the Tenth international Conference on Permafrost (Vol. 4, pp. 243–244).
- Kirkelund, G. M., Jørgensen, A. S., **Ingeman-Nielsen, T.**, & Villumsen, A. (2012). Characterisation of MSWI bottom ash for potential use as subbase in Greenlandic road construction. The 4th International Conference on Engineering for Waste and Biomass Valorisation (WasteEng12) (pp. 835–840).
- Tomaskovicova, S., Paamand, E., Ingeman-Nielsen, T., & Bauer-Gottwein, P. (2012). Coupled Thermo-Geophysical Inversion for Permafrost Monitoring. Extended abstracts of the Tenth International Conference On Permafrost (Vol. 4, pp. 587–588).
- Agergaard, F. A. and **Ingeman-Nielsen, T.** (2011): *Modelling unfrozen water content in a silty clay permafrost deposit*. Presented at: PanAm-CGS Geotechnical Conference : Toronto, Ontario, Canada.
- Ingeman-Nielsen, T.** (2011): *Variability of active layer thickness prediction from a climate model forced permafrost model*. Abstract and poster presented at the EGU General Assembly April 2011, Vienna.
- Jørgensen, A. S., **Ingeman-Nielsen, T.**, and Skels, P. (2011). *Lime stabilization of fine-grained sediments in western Greenland*. In Proceedings from 64th Canadian Geotechnical Conference & 14th Pan-American Conference on Soil Mechanics and Geotechnical Engineering, Toronto, Ontario, Canada, October 2011.
- Skels, P., **Ingeman-Nielsen, T.**, Jørgensen, A. S., Bondars, K., and Skele, E. (2011). *Quicklime (CaO) stabilization of fine-grained marine sediments in low temperature areas*. Presented at: International Conference Civil engineering '11, Jelgava, Latvia.
- Agergaard, F. A. & **Ingeman-Nielsen, T.** (2010): *Investigation of newly exposed very sensitive fine-grained marine deposit at Kangerlussuaq, Western Greenland*. In: Thermal State of Frozen Ground in a Changing Climate During the IPY : Abstracts from the Third European Conference on Permafrost 13-17 June 2010, p. 294 / Editor: Mertes, Jordan R. ; Christiansen, Hanne H. ; Etzelmüller, Bernd - Longyearbyen, Svalbard, Norway : The University Centre in Svalbard, 2010
- Brandt, I., **Ingeman-Nielsen, T.** & Foged, N. (2010): *Determination of Ice Contents in Greenlandic Permafrost Using Geophysical Measurements*. In: Thermal State of Frozen Ground in a Changing Climate During the IPY : Abstracts from the Third European Conference on Permafrost 13-17 June 2010, p. 237 / Editor: Mertes, Jordan R. ; Christiansen, Hanne H. ; Etzelmüller, Bernd - Longyearbyen, Svalbard, Norway : The University Centre in Svalbard, 2010
- Ingeman-Nielsen, T.** and Brandt, I. (2010): *The use of electromagnetic induction methods for establishing quantitative permafrost models in West Greenland*, Abstract presented at the EGU General Assembly April 2010, Vienna.
- Ingeman-Nielsen, T.** & Foged, N. (2010): *Geotechnical implications of a warming climate in west Greenland*. In: *Thermal State of Frozen Ground in a Changing Climate During the IPY* : Abstracts from the Third European Conference on Permafrost 13-17 June 2010, p. 303 / Editor: Mertes, Jordan R. ; Christiansen, Hanne H. ; Etzelmüller, Bernd - Longyearbyen, Svalbard, Norway : The University Centre in Svalbard, 2010
- Jørgensen, A. S., **Ingeman-Nielsen, T.**, Nielsen, H. R., and Hudecz, A. (2010): *Lime stabilization of fine-grained greenlandic sediments in relation to construction projects*. In proceedings from IX International Symposium

on Cold Regions Development, Yakutsk, Sakha Republic, Russia, June, 2010.

- Brandt, I., **Ingeman-Nielsen, T.**, Foged, N. (2009): Evidence of Presence of Sporadic Permafrost at the Qinnngorput Infrastructural Development Site in Nuuk, West Greenland. Presentation given at the International Workshop: Changes of the Greenland Cryosphere, Katuaq, Nuuk, Greenland, August 25-27, 2009
- Daanen, R.P., **Ingeman-Nielsen, T.**, Foged, N., Marchenko, S.S., Romanovsky, V.E., Stendel, M., Christensen, J. H. and Svendsen, K. H. (2009): *Permafrost Degradation Risk Zone Assessment using Numerical Models*. Poster presented at the American Geophysical Union 2009 Fall meeting, December 14-18, 2009.
- Foged, N., **Ingeman-Nielsen, T.**, Brandt, I. (2009): Risk analysis for construction works in permafrost affected areas. Presentation given at the International Workshop: Changes of the Greenland Cryosphere, Katuaq, Nuuk, Greenland, August 25-27, 2009
- Ingeman-Nielsen, T.**, Romanovsky, V. E., Marchenko, S. S., Foged, N., Daanen, R. P. (2009): *Permafrost temperature reanalysis and model predictions for Ilulissat, West Greenland*, Presentation given at the International Workshop: Changes of the Greenland Cryosphere, Katuaq, Nuuk, Greenland, August 25-27, 2009
- Gunnarsdóttir, R., **Ingeman-Nielsen, T.**, Jenssen, P.D., and Villumsen, A. (2009): *Tourist cottages in the Arctic: Possibilities of wastewater treatment*. In: Proceedings from the International Conference, Tourist Cottages and Climate Change, BYG.DTU, pp. 42-48
- Daanen, R. P., Romanovsky, V. E., Marchenko, S. S., Christensen, J. H., Stendel, M. and **Ingeman-Nielsen, T.** (2008): *Greenland Permafrost Temperature Simulations, 2008*, Extended Abstract, Ninth International Conference on Permafrost, June 29-July 3, Fairbanks, Alaska, pp. 55-56.
- Foged, N. and **Ingeman-Nielsen, T.** (2008): Møller, J. S., Welin, C., Jensen, P. A., Rørig-Dalgaard, I., Laustsen, J. B., Strøm-Tejse, P., Johannesson, B., Hertz, K. D., Foged, N., **Ingeman-Nielsen, T.**, Goltermann, P., Villumsen, A., Geiker, M. R. and Rode, C.: *Annual Report 2007*. Kgs. Lyngby: DTU BYG.
- Ingeman-Nielsen, T.** and Abdel, B. (2008). ЕСТЕСТВЕННЫЙ ДРЕНАЖ ОЗЕРА У ГОРОДА «КАПГАЛЕССУКАК» В ЗАПАДНО-ЦЕНТРАЛЬНОЙ ЧАСТИ ГРЕНЛАНДИИ. In: III Международной научной конференции: «Проблемы природопользования и экологическая ситуация (p. 68-72) (Conference contribution: *Natural drainage of ice-dammed lake near Kangerlussuaq, Central West Greenland*)
- Romanovsky, V., Walsh, J., Christensen, J. H., Svendsen, K. H., Foged, N., Daanen, R., Marchenko, S., Drews, M., **Ingeman-Nielsen, T.** and Stendel, M. (2008): *Recent and future permafrost variability, retreat and degradation in Greenland and Alaska: An integrated approach* - Annual Report to NSF, pp 17.
- Ingeman-Nielsen, T.** (2007): *Greenlandic permafrost conditions – a geotechnical perspective*. In: Møller, J. S., Stang, H., Jönsson, J., Tommerup, H. M., Agerskov, H., Svendsen, S., Täljsten, B., **Ingeman-Nielsen, T.**, Kjeldsen, A. M., Jensen, P. A., Kristensen, K. K.: *Annual Report 2006*. Kgs. Lyngby: BYG-DTU.
- Ingeman-Nielsen, T.**, Clausen, H. and Foged, N. (2007): *Engineering Geological and Geophysical Investigations for Road Construction in the Municipality of Sisimiut, West Greenland*, In: Proceedings from the International Conference, Arctic Roads, Operating, maintaining and building roads in a climatically challenging environment, BYG Rapport R-157, pp. 53-61
- Ingeman-Nielsen, T.**, Fritt-Rasmussen, J., Brock, N. and Villumsen, A. (eds.) (2007): *Proceedings from the International Conference on Arctic Roads - Operating, Maintaining and Building Roads in a Climatically Challenging Environment*, Sisimiut, Greenland, March 3-5 2007. BYG Rapport R-157, ISBN 978-877877-230-5
- Jørgensen, A. S., **Ingeman-Nielsen, T.** and Brock, N. (2007): *Annual Variations of the Frost Table in Kangerlussuaq Airport, Western Greenland*, In: Proceedings from the International Conference, Arctic Roads, Operating, maintaining and building roads in a climatically challenging environment, BYG Rapport R-157, pp. 79-83
- Romanovsky, V., Walsh, J., Christensen, J. H., Svendsen, K. H., Foged, N., Daanen, R., Marchenko, S., **Ingeman-Nielsen, T.**, Stendel, M. and Simonsen, K. (2007): *Recent and future permafrost variability, retreat and degradation in Greenland and Alaska: An integrated approach* - Annual Report to NSF, pp 17.
- Villumsen, A., Jørgensen, A. S., Abdel, B., Fritt-Rasmussen, J., Løgstrup, L., Brock, N., Hoedeman, N., Gunnarsdóttir, R., Borre, S. and **Ingeman-Nielsen, T.** (2007): *Road construction in Greenland : The Greenlandic case*, In series: Roadex III - Northern Periphery, p. 84
- Ingeman-Nielsen, T.** (2005): *Geophysical Techniques Applied to Permafrost Investigations in Greenland*, Ph.D. thesis, BYG•DTU R-123, ISBN 87-7877-192-7, Technical University of Denmark, 177 p.