

CURRICULUM VITAE – PETER JANSSON

PERSONAL INFORMATION

WEB:



Title: Professor
Born: 15 November, 1960
Nationality: Swedish
Home: Kantarellvägen 79, 186 55 Vallentuna, Sweden
Professional: Department of Physical Geography,
Stockholm University, SE-106 91 Stockholm, Sweden
Tel: +46 8 16 48 15
E-mail: peter.jansson@natgeo.su.se
Web: <http://people.su.se/~pjans>

ORCID:



ORCID: [0000-0002-8832-8806](https://orcid.org/0000-0002-8832-8806)

Researcher ID: [B-5761-2012](https://orcid.org/B-5761-2012)

RESEARCHER ID:



I am permanently employed on a teaching position at the Dept. of Physical Geogr. and Quaternary Geol., Stockholm Univ. I was promoted to Full Professor on 1 July, 2004. **My research** concerns the **thermodynamics of polythermal glaciers, the climate sensitivity of glaciers to climate change and ice sheet hydrology comparing the present Greenland Ice Sheet and the former Fennoscandian Ice Sheet**. I also have several ongoing collaborations dealing with **glacier mass balance and climate relationships** with Univ. of Zürich, Univ. of Innsbruck, Univ. of Minnesota, Univ. of Gothenburg and within Stockholm Univ. I have been associated with Tarfala Research Station since 1985 and have run and developed the station environmental monitoring program in particular the world's longest record of mass balance measurements on Storglaciären. I am currently **Subject Responsible** (in Physical Geography), and therefore in charge of the PhD education (c. 40 PhD stud.), at my department. I currently supervise two graduate students. I have **published 62 papers** in ISI-listed international peer-reviewed journals, including one paper in *Nature*; and one in *Science*. I initiated and co-authored a new standard terminology for mass balance measurements published by IACS/UNESCO/IHP as well as a manual for mass balance measurements and training published by UNESHO/IHP. I have co-written a book on glaciology aimed for Swedish undergraduate students, a book manuscript in glaciology for master's students. I have served as **Vice President** of the International Association of Cryospheric Science (IACS). Through IACS I have also headed a UNESCO training course on mass balance measurements in New Delhi and been an invited **keynote speaker** at the third World Water Forum in Kyoto. I am **Editor-in-Chief** of the international journal *Geografiska Annaler: Series A, Physical Geography* since 2010. I was a **contributing author** for the 2007 International Panel on Climate Change (IPCC)-report (WG-1, Ch. 4).

EDUCATION/ PROMOTIONS

Professor (Full Professor) of Physical Geogr., Stockholm Univ., 1 Jul., 2004
Docent (Associate Professor) in Physical Geogr., Stockholm Univ., 15 Dec., 1999
Doctor of Philosophy in Physical Geogr., Stockholm Univ., 3 Jun., 1994
Doctor of Philosophy in Geology, Univ. of Minnesota, USA, 31 Mar., 1993
Licentiate of Philosophy in Physical Geogr., Stockholm Univ., 10 Sep., 1991
Bachelor of Science in Earth Sciences (4 yr), Stockholm Univ., 20 Oct., 1986

EMPLOYMENT

Senior Lecturer, Dept. of Physical Geogr., Stockholm Univ., 1 Jul. 1995–
Senior Lecturer, Centre for Univ. Pedagogics, Stockholm Univ., (10%), 1 Jan. 2004–2006
Postdoctoral Fellowship (Forskarassistent), Dept. of Physical Geogr., Stockholm Univ., 1 May 1995–31 Apr. 2000

Acting Senior Lecturer, Dept. of Physical Geogr., Stockholm Univ., 1 Jan. 1994–31 Apr. 1995

Postgraduate Fellowship, Dept. of Physical Geogr., Stockholm Univ., 1 Jul.–31 Dec. 1993

Lecturer, Dept. of Geol. and Geophys., Univ. of Minnesota, Winter quarter 1993

Research Assistant, Dept. of Geol. and Geophys., Univ. of Minnesota, USA, spring quarter 1988, winter and spring quarter 1989, fall, winter and spring quarter 1989-1990, fall, winter and spring quarter 1990–1991 and summer and fall quarter 1992, 1988–1992

Teaching Assistant: Geo 1021, Introductory Geology Laboratory, Dept. of Geol. and Geophys., Univ. of Minnesota, USA, Spring quarter 1989

Field assistant, Tarfala Research Station, May–Sep. 1986

Acting Superintendent, Tarfala Research Station, May–Jun. 1986

Research Assistant, Tarfala Research Station, Field season 1985

Trainee, Nature Conservation Unit, Gävleborg County Board, summer employment 1984

Subject Teacher in Mathematics/Physics/Chemistry, Björksåtraskolan, Sandviken, 1979–1980

PUBLICATION
SUMMARY
UPDATED:
13 MAR., 2022

The summary below is based on public data retrieved from Publons (Web of Science), Scopus and Google Scholar. Researcher ID and Scopus looks only at ISI-indexed publications whereas Google Scholar looks at everything including abstracts etc., hence the strong differences.

	Publons All	Scopus All	Google Scholar	
			All	Since 2017
Publications	64	59	150	
Citations	2223	2025	4606	1562
Avg. cite	34.7	34.3	30.7	–
<i>h</i> -index	27	25	36	18
<i>i10</i> -index*	–	–	57	31

*The *i10*-index is a Google Scholar specific index showing how many articles have more than 10 citations.

Please visit my [Publons](#) and [Google Scholar](#) pages for updates.

FIVE MOST CITED
PUBLICATIONS
AND REPORTS
[[ISI/GOOGLE SCHOLAR](#)
[CITATIONS](#)]

²²**Jansson P**, Hock R, Schneider T, 2003. The concept of glacier storage – A review. *J. Hydrol.* 282 (1–4), 116–129. [[336/593](#)]

⁵Iverson NR, Hanson B, Hooke RLeB, **Jansson, P.**, 1995. Flow mechanism of glaciers on soft beds. *Science.* 267 (5195), 80–81. [[179/255](#)]

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- ²⁷Fountain, A.G., Jacobel, R.W., Schlichting, R. and **Jansson, P.**, 2005. Fractures as the main pathways of water flow in temperate glaciers. *Nature*. 433 (7026), 618–621. [[148/214](#)]
- ⁹Hooke RLeB, Hanson B, Iverson NR, **Jansson P**, Fischer U, 1997. Rheology of till beneath Storglaciären, Sweden. *J. Glaciol.* 43 (143), 172–179. [[85/122](#)]
- Cogley JG, Hock R, Rasmussen LA, Arendt AA, Bauder A, Braithwaite RJ, **Jansson P**, Kaser G, Möller M, Nicholson L, Zemp M, 2011, *Glossary of Glacier Mass Balance and Related Terms*. IHP–VII Technical Documents in Hydrology No. 86, IACS Contribution No. 2, UNESCO–IHP, Paris. [[–/526](#)]
- Kaser G, Fountain A, **Jansson P**, 2003. *A manual for monitoring the mass balance of mountain glaciers*. UNESCO, International Hydrological Programme. IHP–VI. Technical Documents in Hydrology. No. 59, UNESCO–IHP, Paris. [[–/206](#)]
- ⁶⁴Watts H, Booth AD, Reinardy BTI, Killingbeck SF, **Jansson P**, Clark R, Chandler BMP, Nesje A, 2022. An assessment of geophysical survey techniques for characterising the subsurface around glacier margins, and recommendations for future applications. *Frontiers in Earth Science*. 10. doi: [10.3389/feart.2022.734682](#) [[Open Access; 0](#)]
- ⁶³Carless D, Kulesa B, Booth AD, Drocourt Y, Davies S, Sinnadurai P, Alayne Street-Perrott F, **Jansson P**, 2021. An integrated geophysical and GIS based approach improves estimation of peatland carbon stocks. *Geoderma* 402, 115176. doi: [10.1016/j.geoderma.2021.115176](#) [[0](#)]
- ⁶²Ingvander S, **Jansson P**, Brown IA, Fujita S, Sugyama S, Surdyk S, Enomoto H, Hansson M, Holmlund P, 2016. Snow particle sizes in DML, Antarctica, from sample to regional scales. *Antarct. Sci.* 28 (3), 219–231. doi: [10.1017/S0954102015000589](#) [[0](#)]
- ⁶¹Sannel ABK, Hugelius G, **Jansson P**, Kuhry P, 2015. Permafrost warming in a subarctic peatland – Which meteorological controls are most important? *Permafrost Perigl. Proc.* 27 (2), 177–188. doi: [10.1002/ppp.1862](#) [[0](#)]
- ⁶⁰Clason CC, Coch C, Jarsjö J, Brugger K, **Jansson P**, Rosqvist G, 2015. Dye tracing for investigating flow and transport properties of hydrocarbon-polluted Rabots glaciär, Kebnekaise, Sweden. *Hydrol. Earth Syst. Sci.* 19, 2701–2715. doi: [10.5194/hess-19-2701-2015](#) [[Open Access; 0](#)]
- ⁵⁹Helanow C, Meierbachtol T, **Jansson P**, 2015. Correspondence: Steady state water pressures in subglacial conduits: corrections to a model and recommendations for its use. *J. Glaciol.* 61 (225), 202–204. doi: [10.3189/2015JoG14J197](#) [[1](#)]
- ⁵⁸Lindbäck K, Pettersson R, Doyle SH, Helanow C, **Jansson P**, Kristensen SS, Stenseng L, Forsberg R, Hubbard AL, 2015. High-resolution ice thickness and bed topography of a land-terminating section of the Greenland Ice Sheet. *Earth Syst. Sci. Data*, 6, 331–338. doi: [10.5194/essd-6-331-2014](#) [[Open Access; 3](#)]
- ⁵⁷Schannwell C, Murray T, Kulesa B, Gusmeroli A, Sainteroy A, **Jansson P**, 2014. An automatic approach to delineate the cold-temperate transition surface with ground-penetrating radar (GPR) on polythermal glaciers. *Ann. Glaciol.*, 55 (67), 89–96. doi: [10.3189/2014AoG67A102](#). [[Open Access; 0](#)]

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ORDER)
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- ⁵⁶Dahlke HE, Lyon SW, **Jansson P**, Karlin T, Rosqvist G, 2014. Isotopic investigation of runoff generation in a glacierized catchment in northern Sweden. *Hydr. Proc.* doi:10.1002/hyp.9668 [12]
- ⁵⁵Zemp M, Thibert E, Huss M, Stumm D, Rolstad Denby C, Nuth C, Nussbaumer SU, Moholdt G, Mercer A, Mayer C, Joerg PC, **Jansson P**, Hynek B, Fischer A, Escher-Vetter H, Elvehøy H, Andreassen LM, 2013. Reanalysing glacier mass balance measurement series. *The Cryosphere*, 7, 1227–1245, doi:10.5194/tc-7-1227-2013. [Open Access; 32]
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- ⁵³Gusmeroli A, Murray T, Clark RA, Kulesa B, **Jansson P**, 2013. Vertical seismic profiling of glaciers: appraising multi-phase mixing models. *Ann. Glaciol.* 54 (64), 115–123. doi:10.3189/2013AoG64A106 [1]
- ⁵²Booth A, Mercer A, Clark R, Murray T, **Jansson P** and Axtell C, 2013. A comparison of seismic and radar methods to establish the thickness and density of glacier snow cover. *Ann. Glaciol.* 54 (64), 73–82. doi:10.3189/2013AoG64A044 [2]
- ⁵¹Moore PL, Iverson NR, Uno KT, Dettinger MP, Brugger KA, **Jansson P**, 2013. Entrainment and emplacement of englacial debris bands near the margin of Storglaciären, Sweden. *Boreas*. 42 (1), 71–83. doi:10.1111/j.1502-3885.2012.00274.x [2]
- ⁵⁰Ingvander S, Dahlke HE, **Jansson P** and Surdyk S, 2013. In situ sampled Snow Particle Sizes of the East Antarctic Ice Sheet and their relation to physical and remotely sensed snow surface parameters. *Ann. Glaciol.* 53 (62), 166–174. doi:10.3189/2013AoG62A193 [2]
- ⁴⁹Johansson AM, **Jansson P**, Brown I, 2013. Spatial and temporal variations of the Greenland Ice Sheet surface lake system. *J. Hydrol.* 476, 314–320. doi:10.1016/j.jhydrol.2012.10.045 [7]
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- ⁴⁶Gusmeroli A, **Jansson P**, Pettersson R, Murray T, 2012. Twenty years of cold surface layer thinning at Storglaciären, sub-Arctic Sweden, 1989–2009. *J. Glaciol.* 58 (207), 3–10. doi:10.3189/2012JoG11J018. [14]
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- ⁴⁴Johansson AM, Brown IA, **Jansson P**, 2010. Multi-temporal, multi-sensor investigations of supra-glacial lakes on the Greenland Ice Sheet. *ESA Special Publ.* SP-686. [0]
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- ⁴²Koblet T, Gärtner-Roer I, Zemp M, **Jansson P**, Thee P, Haerberli W, Holmlund P, 2010. Reanalysis of multi-temporal aerial images of Storglaciären, Sweden (1959–1999) – Part 1: Determination of length, area and volume changes. *The Cryosphere*. 4, 333–343.
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- ⁴⁰Gusmeroli A, Murray T, **Jansson P**, Pettersson R, Aschwanden A, 2010. Vertical distribution of water within the polythermal glacier Storglaciären, Sweden. *J. Geophys. Res.*, 115, F04002,
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[doi:10.3189/172756405781813762](https://doi.org/10.3189/172756405781813762) [10]
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[doi:10.1007/1-4020-3508-X_25](https://doi.org/10.1007/1-4020-3508-X_25) [19]

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[doi:10.1111/j.0435-3676.2005.00243.x](https://doi.org/10.1111/j.0435-3676.2005.00243.x) [19]
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[doi:10.1038/nature03296](https://doi.org/10.1038/nature03296) [96]
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- ²⁵Pettersson R, **Jansson P** Blatter H, 2004. Spatial variability of water content at the cold–temperate transition surface of the polythermal Storglaciären, Sweden. *J. Geophys. Res.* 109 (F2), F02009,
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[doi:10.1029/2003JF000024](https://doi.org/10.1029/2003JF000024). [50]
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- ²⁰**Jansson P** Fredin O, 2002. Ice sheet growth under dirty conditions: implications of debris cover for early glaciation advances. *Quat. Internat.* 95/96C, 35–42.
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[doi:10.2307/1552502](https://doi.org/10.2307/1552502) [8]
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- ¹⁷**Jansson P**, Näslund J-O, Pettersson R, Richardson-Näslund C, Holmlund P, 2000. Polythermal structure and debris entrainment in the terminus of Storglaciären. In: Nakawo M, Raymond, CF Fountain A, (eds), Debris-covered glaciers. Proceedings of a workshop held at Seattle, September 2000. *IAHS Publ.* No. 264, 143–151. [4]
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CONTRIBUTING
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- Jaquet O, Namar R, Siegel P, **Jansson P**, 2012. Groundwater flow modelling under ice sheet conditions in Greenland (phase II). SKB Technical Report SKB R-12-14.
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MANUSCRIPTS
IN PREPARATION

- Clemenzi I, Quinlan E, Mansanarez V, **Jansson P**, Jarsjö J, Manzoni S, Annual water balance and hydrological trends in the glacierized Tarfala catchment, Sweden. *HESS*
- Kohler J, **Jansson P**, Messerli A, Lappegard G, Hagen JO, Brown G, Karlöf L, Moore J and Andreassen LM, Controlled massive injection of water affects drainage system and ice flow at Engabreen, northern Norway. *J. Glaciol.*

INTERNATIONAL
COLLABORATORATIVE
NETWORK
(ALPHABETICALLY)

- Liss Andreassen, Norw. Water Resources and Energy Direct., Norway 
- Anthony Arendt, Univ. of Alaska–Fairbanks, USA 
- Andy Aschwanden, University of Alaska–Fairbanks, USA 
- Robert W. Baker (ret.), Univ. of Wisconsin–River Falls, USA 
- Andreas Bauder, ETH-Zürich, Switzerland 
- Heinz Blatter (ret.), ETH-Zürich, Switzerland 
- Adam Booth, Imperial College Londown, England 
- Roger Braithwaite, The Univ. of Manchester, England 
- Ludwig Braun, Bavarian Acad. of Sciences and Humanities, Germany 
- Keith A. Brugger, Univ. of Minnesota–Morris, USA 
- Roger A. Clark, Univ. of Leeds, England 
- Graham Cogley, Trent Univ., Canada 
- Denis Cohen, Université de Genève, France 
- Helen E. Dahlke, Univ. of California–Davis, USA 
- Mark Dyrgerov (dec.), Univ. of Boulder, USA 
- Hallgeir Elvehøy, Norw. Water Resources and Energy Direct., Norway 
- Heidi Escher-Vetter, Bavarian Acad. of Sci. and Humanities, Germany 
- Jim Fastook, Univ. of Maine, USA 
- Urs Fisher, NAGRA, Switzerland 
- Rene Forsberg, Danish Technical Univ., Denmark 
- Andrew G. Fountain, The Univ. of Portland, USA 
- Isabelle Gärtner-Roer, Univ. of Zürich, Switzerland 
- Neil Glasser, Univ. of Aberystwyth, Wales 
- Alessio Gusmeroli, Univ. of Alaska–Fairbanks, USA 
- Wilfried Haeberli (ret.), Univ. of Zürich, Switzerland 
- Michael Hambrey, Univ. of Aberystwyth, Wales 
- Brian Hansson, Univ. of Delaware, USA 
- Joel Harper, Univ. of Montana, USA 
- Regine Hock, Univ. of Alaska–Fairbanks, USA 
- Roger LeB. Hooke, Univ. of Maine, USA 
- Thomas S. Hooyer, Univ. of Wisconsin–Milwaukee, USA 
- Alun Hubbard, Univ. of Aberystwyth, Wales 
- Mattias Huss, ETH-Zürich, Switzerland 
- Hendrik Huwald, École Polytech. Fédérale de Lausanne, Switzerland 
- Neal Iverson, Iowa State Univ., USA 
- Robert W. Jacobel, St Olaf College, USA 
- Olivier Jaquet, In2Earth Modelling Ltd, Switzerland 
- Philip C. Joerg, Zentralanst. für Meteorologie und Geodynamik, Austria 
- Jesse Johnson, Univ. of Montana, USA 
- Georg Kaser, Univ. of Innsbruck, Austria 
- Jack Kohler, Norwegian Polar Inst., Norway 

- Steen S. Kristensen, Danish Technical Univ., Denmark 🇩🇰
- Bernd Kulesa, Univ. of Swansea, Wales 🇨🇾
- Toby Meierbachtol, Univ. of Montana, USA 🇺🇸
- Cristoph Meyer, Bavarian Acad. of Sciences and Humanities, Germany 🇩🇪
- Geir Moholdt, Scripps, Univ. of California, USA 🇺🇸
- Marco Möller, RWTH Aachen, Germany 🇩🇪
- Peter L. Moore, Iowa State Univ., USA 🇺🇸
- Tavi Murray, Univ. of Swansea, Wales 🇨🇾
- Rabah Namar, In2Earth Modelling Ltd, Switzerland 🇨🇭
- Lindsey Nicholson, Univ. of Innsbruck, Austria 🇦🇹
- Samuel U. Nussbaumer, Univ. of Zürich, Switzerland 🇨🇭
- Chris Nuth, Univ. of Oslo, Norway 🇳🇴
- Al Rasmusen, Univ. of Washington, USA 🇺🇸
- Cecilie Rolstad-Denby, The Norwegian Univ. of Life Sciences, Norway 🇳🇴
- Pascal Siegel, In2Earth Modelling Ltd, Switzerland 🇨🇭
- Jery R. Stedinger, Cornell Univ., USA 🇺🇸
- Lars Stenseng, Danish Technical Univ., Denmark 🇩🇰
- Dorotea Stumm, ICIMOD, Nepal 🇳🇵
- Surdyk, Cornell Univ., USA 🇺🇸
- Patrick Thee, Swiss Fed. Inst. for Forest, Snow and Landscape Res., Switzerland 🇨🇭
- Emmanuel Thibert, IRSTEA, France 🇫🇷
- Kevin Uno, Lamont-Doherty Earth Observatory, USA 🇺🇸
- Michael Zemp, Univ. of Zürich, Switzerland 🇨🇭

NATIONAL
COLLABORATORATIVE
NETWORK
(ALPHABETICALLY)

- Lars Andeersson (dec.), SGU, Göteborg
- Ian Brown, Physical Geography, Stockholm
- Lars Bärring, Centre for Environmental and Climate Research, Lund
- Deliang Chen, Geosciences, Göteborg
- Christian Helanow, Physical Geography, Stockholm
- Per Holmlund, Physical Geography, Stockholm
- Gustaf Hugelius, Physical Geography, Stockholm
- Susanne Ingvander, Physical Geography, Stockholm
- Cecilia Johansson, Geoscience, Uppsala
- A. Malin Johansson, Geiscience, Göteborg
- Margareta Johansson, Abisko Research Station, Abisko
- Stig Jonsson (ret.), Physical Geography, Stockholm
- Torbjörn Karlin, Physical Geography, Stockholm
- Peter Kuhry, Physical Geography, Stockholm
- Hans W. Linderholm, Geoscience, Göteborg
- Steve Lyon, Physical Geography, Stockholm
- Andrew Mercer, Physical Geography, Stockholm

- Carl-Magnus Mörth, Geological Sciences, Stockholm
- Jens-Ove Näslund, SKB, Stockholm
- Veijo A. Pohjola, Geoscience, Uppsala
- Rickard Pettersson, Geoscience, Uppsala
- Lars Rodhe, SGU, Uppsala
- Gunhild Rosqvist, Physical Geography, Stockholm
- A.K. Britta Sannel, Physical Geography, Stockholm
- Thomas Schneider, Physical Geography, Stockholm

PHD STUDENTS

In Progress

- Co-advisor, Watts, Hannah: *Near-surface geophysical and sedimentological methods in the interpretation of glacial environments*

Defended (4 adv.; 12 co-adv.)

- Advisor, Andrew Mercer (2018): *Accuracy of methods and their implication for monitoring and modelling regional glacier mass balance changes*
- Advisor, Christian Helanow (2017): *Basal boundary conditions, stability and verification of glaciological numerical models*
- Advisor, Susanne Ingvander (2011): *Spatial and temporal snow accumulation patterns along an ice divide in Dronning Maud Land, Antarctica*
- Advisor, Thomas Schneider (2001): *Hydrology of the firn area of a polythermal valley glacier*
- Co-advisor, A. Malin Johansson (2012): *Remote sensing of supra-glacial lakes on the west Greenland Ice Sheet*
- Co-advisor, A. Britta K. Sannel: *Stability of peat plateaus in arctic and subarctic environments*
- Co-advisor, Mattias de Woul (2008): *Modelling the response of glaciers to climate change*
- Co-advisor, Håkan Grudd (2006): *Dendroclimatological reconstructions of past climates in Northern Swedish Lapland*
- Co-advisor, Ola Fredin (2004): *Mountain centered icefields in northern Scandinavia*
- Co-advisor, Rickard Pettersson (2004): *Dynamics of the cold surface layer on the polythermal Storglaciären*
- Co-advisor, Anders Clarhäll (2002): *Glacial erosion zones – geomorphological examples from Scandinavia Canada*
- Co-advisor, Björn E. Gunnarsson (2002): *Past climate variability inferred from tree rings. Dendroclimatological investigations made on subfossil pine from peat and lake sediments*
- Co-advisor, Hans W. Linderholm (2001): *Late Holocene climate variability in Scandinavia*
- Co-advisor, Cecilia Richardson-Näslund (2001): *Spatial variations in glacial physical properties and snow accumulation – radar studies in Antarctica and Scandinavia – methods and applications*
- Co-advisor, Clas Hättestrand (1998): *Ribbed moraines and Fennoscandian paleoglaciology*

- Co-advisor, Arjen P. Stroeven (1996): *Late Tertiary glaciations and climate dynamics in Antarctica: Evidence from the Sirius Group, Mount Fleming, Dry Valleys*

MS STUDENTS

In Progress

- Moon Taveirne, *Lapse rates on sub-Arctic glaciers coupled to mass balance*

Defended (7)

- Travis Dickinson (2021): *A Positive Net Balance Shift in the Updated and Reanalyzed Mass Balance Record of Rabots Glaciär in Northern Sweden*
- Eleanor Quinlan (2016): *Annual water balances of the glacierised Tarfala valley catchment, Sweden*
- Carl Anton Wahlström (2016): *Response of a dying ice cap, Riukojietna, Northern Sweden, to climate change*
- Moa Hamré (2016): *Glacier change in Sweden from the end of 'Little Ice Age' to 2008 using orthophotos and DEMs*
- Lisa Kreitmeier (2015): *Analysis of high frequency ground penetrating radar measurements in comparison to detailed snow profiles on Antarctic snow*
- Pia Eriksson (2014): *Meteorological differences between Rabots glaciär and Storglaciären and its impact on ablation*
- Holly McNabb (2012): *Surface elevation changes of Storglaciären coupled to variations in mass balance*

EXAMINATION TASKS

- Evaluation and approval of 60 PhD thesis as Subject responsible in Physical Geography at Stockholm University, 2008–2018
- External thesis evaluation – Christoph Klug: *High resolution remote sensing of the mountain Cryosphere – An approach to fill the gaps between in-situ measurements and modelling*. Faculty of Geo- and Atmospheric Sciences, Univ. of Innsbruck, Austria, 15 Feb., 2018
- Member of PhD examination committee – Sergey Marchenko: *Subsurface fluxes of mass and energy at the accumulation zone of Lomonosovfonna ice cap, Svalbard*. Dept. of Geosciences, Uppsala Univ., Uppsala, Sweden, 19 Jan., 2018
- Member of PhD examination committee – Charalampos Charalampidis: *Climatology and firn processes in the lower accumulation area of the Greenland ice sheet*. Dept. of Geosciences, Uppsala Univ., Uppsala, Sweden, 10 Jun., 2016
- Member of examination committee – Pierre-Marie Lefeuve: *Subglacial Processes and Subglacial Hydrology*. Univ. of Oslo, Oslo, Norway, Feb., 2016
- External thesis evaluation – Rainer Prinz: *Climatic controls and climatic proxy potential from glacier retreat on Lewis Glacier, Mt Kenya*. Faculty of Geo- and Atmospheric Sciences, Univ. of Innsbruck, Austria, 9 Oct., 2015
- Member of PhD examination committee – Agnes Jane Soto Gomez: *Geographical distribution of disasters caused by natural hazards in data-scarce areas*. Dept. of Geosciences, Uppsala Univ., Uppsala, Sweden, 9 Oct., 2015
- Member of PhD examination committee – Carmen Paulina Vega Riquelme: *Nitrate stable isotopes and major ions in snow and ice from Svalbard*. Dept. of Geosciences, Uppsala Univ., Uppsala, Sweden, 27 May, 2014
- Opponent for PhD examination – Onni Järvinen: *Annual cycle of the active surface layer in western Dronning Maud Land, Antarctica*. Dept. of Physics, Helsinki Univ., Helsinki, Finland, 27 Sep., 2013

- External thesis evaluation – Kay Helfricht: *Analysis of the spatial and temporal variation of seasonal snow accumulation in Alpine catchments using airborne laser scanning*. Faculty of Geo- and Atmospheric Sciences, Univ. of Innsbruck, Austria, 25 Aug., 2013
- Member of PhD examination committee – Nils Sundström: *Improving snow water equivalent estimates with ground penetrating radar by measuring on multiple channels*. Luleå Technical Univ., Luleå, Sweden, 17 Dec., 2012
- Opponent for PhD examination – Liss Andreassen: *Glacier variations in Norway - Measurements and modelling*. Univ. of Oslo, Oslo, Norway, 18 Dec., 2008
- PhD thesis examiner – Shavawn Donoghue: *Changes in the morphology, mass balance, and dynamics of Brown Glacier, Heard Island, with comparison to the surrounding sub-Antarctic Islands*. Univ. of Tasmania, Hobart, Australia, 25 Jul., 2008
- Member of PhD examination committee – Andy Aschwanden: *Mechanics and thermodynamics of polythermal glaciers*. ETH-Zürich, Zürich, Switzerland, 25 Jun., 2008
- Member of PhD examination committee – Bradley Goodfellow: *Relict non-glacial surfaces and autochthonous blockfields in the northern Swedish mountains*. Dept. of Physical Geography and Quaternary Geology, Stockholm Univ., Stockholm, Sweden 5 Jun., 2008
- Member of Licentiate examination committee – Hérnan de Angelis: *Paleo ice streams in northern Canada*. Dept. of Physical Geography and Quaternary Geology, Stockholm Univ., Stockholm, Sweden 20 May, 2006
- Member of PhD examination committee – Johan Bonow: *Paleosurfaces and paleovalleys on north Atlantic previously glaciated passive margins – reference forms for conclusions on uplift and erosion*. Dept. of Physical Geography and Quaternary Geology, Stockholm Univ., Stockholm, Sweden, 26 May, 2004
- Member of Licentiate examination committee – Per Klingbjör: *Paleoklimat och recenta glaciärer i norra Skandinavien*. Dept. of Physical Geography and Quaternary Geology, Stockholm Univ., Stockholm, Sweden, 20 Feb., 2001
- Member of Licentiate examination committee – Krister Jansson: *Glacial geomorphology of central northern Quebec-Labrador, Canada*. Dept. of Physical Geography, Stockholm Univ., Stockholm, Sweden, 31 May, 1999
- Member of Licentiate examination committee – Malin Stenberg: *Kemiska studier av snö, firn och is från Antarktis och Kaukasus*. Dept. of Physical Geography, Stockholm Univ., Stockholm, Sweden, 8 Oct., 1996
- Examiner, Licentiate examination – Johan Kuylénstierna: *Datering av deglaciation, Holocena glaciärvariationer och trädgränsvariationer*. Dept. of Physical Geography, Stockholm Univ., Stockholm, Sweden, 15 Apr., 1996
- Examiner, Licentiate examination – Arjen Stroeven: *Sirius Group tills on Mt Fleming, South Victoria Land, Antarctica: A test of the Late Neogene East Antarctic Ice Sheet collapse hypothesis*. Stockholm Univ., Stockholm, Sweden, 7 Jun., 1994
- Examiner, 32 undergraduate theses, 2000–2004
- Editor-in-Chief, *Geografiska Annaler: Series A, Physical Geography*, an international Wiley-Blackwell journal in Physical Geography, 2010–
- Chief Editor, *Annals of Glaciology* 50: Workshop on the Methods of Mass Balance Measurements and Modelling, Skeikampen, Norway, Mar., 2008
- Scientific Editor, *Zeitschrift für Gletscherkunde und Glazialgeologie* 2005–
- Guest Editor, *Geografiska Annaler: Series A, Physical Geography* 87 (1) special issue on Climate Change and Variability, 2005

EDITORSHIPS,
SCIENTIFIC
PUBLICATIONS
AND APPLICATIONS
REVIEW TASKS

- Guest Editor, *Geografiska Annaler: Series A, Physical Geography* 81 (4) special issue on Workshop on the Methods of Mass Balance Measurements and Modelling, 1998, Tarfala Research Station, Sweden, 10–12 Aug., 1999
- Scientific Editor, *Annals of Glaciology* 24: Changing glaciers, Fjaerland, Norway, Jun., 1996
- Referee, 62 papers for international journals (*Science*, *J. Geophys. Res.*, *Geophys. Res. Lett.*, *J. Glaciol.*, *Ann. Glaciol.*, *Quat. Sci. Rev.*, *The Holocene*, *Arct. Ant. Alp. Res.*, *Hydr. Proc.*, *AGU Geophys. Mon.*, *IAHS Publ.*, *Geomorphol.*, *Geogr. Ann.*, *Norsk Geogr. Tidskr.*, *Polar Res.*, *Ambio*) 1995–
- Referee, *National Science Foundation* (NSF, USA) 2000–
- Referee, *Natural Environment Research Council* (NERC, UK) 2000–
- Editor, Dept. of Physical Geogr., Stockholm Univ., Research Report Series and Dissertation series. 1994–2000

ACADEMIC REVIEWS

- Evaluation for Full Professor, Michael A. O'Neal, Univ. of Delaware, USA 2017
- Position (Første amanuensis/Professor) in glaciology, UNIS, Norway, 2017
- Position (Første amanuensis/Professor) in glaciology, UNIS, Norway, 2016
- Evaluation, Professorship in Geography with emphasis on Climate, Justus-Liebig-Universität Giessen, Germany 2007
- Evaluation for Full Professor, Keith A. Brugger, Univ. of Minnesota, Morris, USA 2006
- Evaluation for Associate Professorship for Andrew Fountain, Portland State Univ., USA 2000

MERITING ACADEMIC MISSIONS

- Editor-in-Chief, *Geografiska Annaler: Series A, Physical Geography*, an international Wiley-Blackwell journal in Physical Geography, 2010–
- Vice President, Swedish Society for Anthropology and Geography (SSAG) 2008–2009
- Vice President, International Association of Cryospheric Sciences (IACS) of the International Union of Geodesy and Geophysics (IUGG) 2007–2011
- Convener, Workshop J1: Glacier mass balance and atmospheric circulation. Int. Association of Meteorology and Atmospheric Science (IAMAS) General Assembly 2005, Beijing, China, 2–11 Aug.
- Secretary, International Union of Geodesy and Geophysics Union Commission on Cryospheric Sciences (IUGG–UCCS; formerly ICSI) 2004–2007
- Secretary, International Commission on Snow and Ice (ICSI) of the International Association of Hydrological Sciences (IAHS) 2003–2004
- Instructor, UNESCO, HKH–FRIEND., New Delhi, India 2002
- Named Exceptional Reviewer in 2000 by the Scientific Editors of *J. Glaciol.*
- Member, Advisory Board for EU-project: Development of Operational Monitoring System for European Glacial Areas – synthesis of earth observation data of the present, past and future. 2000–2003
- Organiser, Int. Series A, Physical Geography Glaciological Soc. – Nordic Branch Meeting 1998, Stockholm, Sweden, 6–7 Nov.
- Co-organiser, Int. Glaciological Soc. – Glaciers and the Glaciated Landscape 1998, Kiruna, Sweden, 17–20 Aug.
- Local Organiser and co-convenor, Workshop on the Methods of Mass Balance Measurements and Modelling, 1998, Tarfala Research Station, Sweden, 10–12 Aug.

MERITING
ACADEMIC
ADMINISTRATIVE
MISSIONS

- Co-organiser, Int. Glaciological Soc. – Nordic Branch Meeting 1995, Stockholm, Sweden, 25–26 Nov.
- Organiser and chairman, Midwest Glaciologist Meeting (annual symposia) first assembly, 1992
- Swedish correspondent, Int. Glaciological Soc. news bulletin, ICE, 1994–2003
- Subject responsible in Physical Geography at the Dept. of Physical Geogr. and Quaternary Geol., Stockholm Univ., 2008–2018
- Board member of the Dept. of Physical Geogr. and Quaternary Geol., Stockholm Univ., 2001–2002
- Course director for upper level geoscience courses at the Dept. of Physical Geogr. and Quaternary Geol., Stockholm Univ., 2001–2002
- Examiner in Geosciences, Dept. of Physical Geogr. and Quaternary Geol., Stockholm Univ., 2000–2004
- Board member of the Dept. of Physical Geogr., Stockholm Univ., 1999–2000
- Course coordinator for geoscience courses at the Dept. of Physical Geogr., Stockholm Univ., 1999–2000
- Member of the Science and Mathematics Faculty, working group on information issues, 1996–2000
- Member of the Computing Committee at the Dept. of Geol. and Geophys., Univ. of Minnesota, USA, 1989–1990, 1990–1991, and 1991–1992