

**Martin Jakobsson**

Born 10 October 1966, married to Inês Jakobsson, two children, Gustav (July 1997) and Elias (Feb 2001).



<b>Academic Degrees:</b>	
2003	<i>Docent</i> : Docent lecture “The ocean floor physiography visualized using computer 3D-techniques and global databases”
2000	<i>Ph.D.</i> : Stockholm University. Ph.D. thesis title: "Mapping the Arctic Ocean: Bathymetry and Pleistocene Paleoceanography"
1995	<i>M.Sc.</i> : Stockholm University. M.Sc. thesis title: "Glacial and postglacial development of the Ören glaciofluvial deposit south-west of Torö, southern Stockholm Archipelago, Sweden"
<b>Specialization:</b>	
	Marine geology and geophysics, marine cryosphere, glacial history of the polar oceans, geophysical ocean mapping, paleoceanography and paleoclimatology, United Nations Conventions of the Law of the Sea (UNCLOS) Article 76 applications
<b>Professional Appointments:</b>	
2012-	Head of Department of Geological Sciences
2011-	Professor II at the University Centre of Svalbard (UNIS)
2009-	Full Professor of Marine Geology and Geophysics: Dept. of Geological Sciences, Stockholm University
2004-2009	Research Fellow: The Royal Swedish Academy of Sciences (leave of absence from Senior Lecturer/Associate Professor)
2004-2009	Senior Lecturer/Associate Professor: Dept. of Geological Sciences, Stockholm University
2002-2004	Research Scientist II: Center for Coastal and Ocean Mapping/Joint Hydrographic Center, University of New Hampshire
2000-2002	Postdoc: Center for Coastal and Ocean Mapping/Joint Hydrographic Center, University of New Hampshire
1995-2000	Ph.D. student: Stockholm University
1994-1995	Field geologist at the Geological Survey of Sweden (SGU) in 1994 (May-October) and 1995 (July-August). The work was carried out onboard the research vessel <i>Ocean Surveyor</i> . Marine geologist, Department of Marine Geology, SGU, spring term 1995.
<b>Professional Societies:</b>	
	American Geophysical Union

<b>Honors and Awards:</b>	
2011	IASC Medal: The International Arctic Science Committee
2011	Petterson Prize: The Swedish Geological Society
2002	Editors choice in the journal Science (Science, Vol 296, 28 June 2002) for the article: Jakobsson, M., 2002, Hypsometry and volume of the Arctic Ocean and its constituent seas, <i>Geochemistry Geophysics Geosystems</i> , v. 3, no. 2.
2000	Stipend from Högskoleföreningen in Stockholm for best Ph.D. thesis in the Faculty of Mathematical-Natural Sciences.
2000	Sigfrid Arrhenius stipend for outstanding Ph.D. thesis at Stockholm University's Faculty of Mathematical-Natural Sciences.
2000	Nominated for Stockholm University's pedagogic award.
1999	American Geophysical Union outstanding student paper award at the AGU spring meeting. Title of presented paper: "Glacial/Interglacial Cycles Monitored by Color and Manganese Variations in Sediments from the Lomonosov Ridge: An Approach to Constrain the Paleomagnetic Chronology".
1998	American Geophysical Union outstanding student paper award at the AGU fall meeting. Title of presented paper: "Late Pleistocene Ice Grounding on the Lomonosov Ridge, Central Arctic Ocean?".
<b>Sea-Going Experience:</b>	
	<b>&gt;1 year ship time onboard open ocean research vessels. 3 visits to the North Pole: 1996, 2004, 2005. Co-Chief scientist on eight international ocean expeditions. Chief scientist on numerous Swedish mapping missions</b>
2015	<i>Co-Chief Scientist</i> , Petermann 2015 expedition, <i>IB Oden</i> , northwestern Greenland (July 30-Sept 3).
2014	<i>Co-Chief Scientist</i> , Leg 2 of SWERUS-C3 expedition, eastern Arctic Ocean, <i>IB Oden</i> (Aug 20-Oct 3).
2013	<i>Co-Chief Scientist</i> , VEGA 2013: Expedition Greenland, <i>RV Explorer of Sweden</i> (Aug 1-15).
2010	<i>Co-Chief Scientist</i> , Oden Southern Ocean 0910, West Antarctica, <i>IB Oden</i> (Feb 8- March 10).
2009	<i>Co-Chief Scientist</i> , Sea Acceptance Test III (SAT) for the <i>Oden</i> EM122 multibeam off Svalbard.
2008	<i>Co-Chief Scientist</i> , Sea Acceptance Test II (SAT) for the <i>Oden</i> EM122 multibeam off Svalbard.
2007	<i>Co-Chief Scientist</i> on the Lomonosov Ridge Off Greenland (LOMROG) expedition to the Arctic Ocean with <i>IB Oden</i> (Aug 11- Sept 16).
2007	<i>Co-Chief Scientist</i> , Sea Acceptance Test I (SAT) for the Oden multibeam outside of northwest Norway.
2005	<i>Shipboard Scientist</i> (Swedish scientific team leader onboard <i>USCGC Healy</i> ), Healy-Oden Trans-Arctic Expedition (HOTRAX). Icebreaker transect of the central Arctic Ocean (5 Aug-30 Sept).
2004	<i>Shipboard Scientist</i> , IODP Exp. 302, Arctic Coring Expedition (ACEX): Drilling on the Lomonosov Ridge in the central Arctic Ocean (7 Aug-14 Sept).
2003	<i>Shipboard Scientist</i> , Marine geophysical mapping of the Chukchi Borderland, Arctic Ocean: Multibeam mapping and subbottom profiling with <i>USCGC Healy</i> (31 Aug-11 Sept).
1999	<i>Shipboard Scientist</i> , Several short marine geological/geophysical field campaigns, e.g. mapping of Portsmouth Harbor during the fall of 2000, chirp sonar data acquisition in Skagerrak during the fall of 1999.
1996	<i>Shipboard Scientist</i> , Arctic Ocean 96 expedition with <i>IB Oden</i> to the central Arctic Ocean (18 July-24 Sept).

1996	<i>Shipboard Scientist</i> , FINNARP 95/96: Marine geological expedition with <i>R/V Aranda</i> to the eastern Weddell sea, Antarctica.
1994-1995	<i>Field geologist</i> , Field mapping with <i>R/V Ocean Surveyor</i> : Two field seasons (1994, May-October and 1995, July-August) onboard the Geological Survey of Sweden's research vessel <i>R/V Ocean Surveyor</i> .
<b>Member of Academic Societies:</b>	
2016-	Elected member of Norwegian Scientific Academy for Polar Research
2013-	Elected member of the Royal Society of Naval Sciences
2012-	Elected member of the Royal Swedish Academy of Sciences, Class V (Geosciences).
<b>Stockholm University services (selected):</b>	
2013-	<i>Member</i> of Board, the Baltic Sea Centre at Stockholm University
2013-	<i>Member</i> of Board, the Bolin Centre for Climate Research at Stockholm University
2012-	<i>Head of Department</i> of Geological Sciences, Stockholm University
2005-2012	<i>Core Theme Leader</i> for "Land and Ocean Spatial Reconstructions", the Bolin Centre for Climate Research at Stockholm University
2009-2011	<i>Member</i> of Board, Stockholm University Faculty of Science
2007-2009	<i>Member</i> of Board, the Earth and Environmental Sciences Appointments, Stockholm University
<b>Services (selected):</b>	
2016-	<i>1<sup>st</sup> Vice President</i> of the Royal Swedish Academy of Sciences. <i>Chairman of the Royal Swedish Academy of Sciences Environmental Committee</i> <i>Chairman of Crafoord Prize Board</i>
2014-	<i>Member</i> of Rifo, a forum for facilitating contact and dialogue between members of the Swedish Parliament (Riksdag) and researchers
2013	<i>Member</i> of Swedish Research Council (VR) NT-007 Evaluation Panel
2013-	<i>Vice Chairman</i> of UNESCO IOC-IHB General Bathymetric Chart of the Oceans (GEBCO)
2012-2016	<i>Chairman</i> of GEBCO Sub Committee on Regional Undersea Mapping (SRCUM).
2009-2012	<i>Chairman</i> of the GEBCO interim Sub Committee on Regional Undersea Mapping (iSRCUM).
2011-	<i>Chairman</i> of the International Bathymetric Chart of the Arctic Ocean (IBCAO)
2011	<i>Member</i> of Swedish Research Council (VR) NT-C Evaluation Panel
2007-	<i>Member</i> of Editorial Advisory Panel for the journal Polar Research
2006-2007	<i>Member</i> of the International Polar Year (IPY) Swedish data and monitoring committee
2006-2007	<i>Member</i> of International Study of Arctic Change (ISAC) guiding Scientific Council.
2005-	<i>Member</i> of joint IOC-IHO Guiding Committee for General Bathymetric Chart of the Oceans (GEBCO)
2005-2012	<i>Chairman</i> for the International Arctic Science Committee endorsed research (IASC) network program Arctic Palaeoclimate and its Extremes (APEX)
2005-2007	<i>Oversight Committee Member</i> for NSF project AAGRUUK, the Arctic Archive for Geophysical Research.

2004-	<i>Evaluation Committee Member</i> for NIPPON Foundation of Japan supported project to receive a certificate in Ocean Mapping at the Center for Coastal and Ocean Mapping, University of New Hampshire, USA.
1999–2009	<i>Scientific Advisor</i> for the General Bathymetric Chart of the Oceans (GEBCO)
1998-	<i>Editorial Board Member</i> of the International Bathymetric Chart of the Arctic Ocean (IBCAO)
<b>PhD students and postdocs:</b>	
	<p><i>Main supervisor</i></p> <ul style="list-style-type: none"> <li>- Benjamin Hell (defended 2011-06-08)</li> <li>- Daniela Hanslik (defended 2011-06-10)</li> <li>- Emma Sellén (defended 2009-11-27)</li> <li>- Florence Collioni (defended 2009-09-14)</li> </ul> <p><i>Co- supervisor</i></p> <ul style="list-style-type: none"> <li>- Natalia Barrientos (defended licentiate 2016)</li> <li>- Francis Freire (defended 2016-04-20)</li> <li>- Pedro Preto (defended licentiate 2016-05-03 )</li> </ul> <p><i>Postdocs</i></p> <ul style="list-style-type: none"> <li>- Henning Åkesson, Glacial modeling (2018-)</li> <li>- Christof Pearce, Arctic Ocean sea ice reconstruction (2014-2017)</li> <li>- Christian Stranne, gas hydrate modeling in the Arctic Ocean (2014-2017)</li> <li>- Linda Ampel, Arctic Ocean sea ice proxies (2012-2014)</li> <li>- Sara Greenwood, marine glacial geomorphology (2010-2013)</li> <li>- Matthew O'Regan, paleoceanographic evolution of the Arctic Ocean (2009-2010)</li> <li>- Bijoy Thompson, ocean circulation modeling of the Arctic Ocean (2008-2010).</li> </ul>
<b>Research enviroment:</b>	
2014	Head of Department of Geological Sciences since 2012 (2017: 7 Professors, 11 Senior Lectures, 13 researchers and postdocs, 19 technical/administrative personnel and 17 PhD students).
<b>Publications:</b>	
1999-2017	Citation metrics Dec 22, 2017: H-Index 49, i10-index 95, 9572 citations (Google scholar). 142 articles published in major international peer-review journals (31 first authored, 8 occur in the Journal Nature and 2 in Nature Geoscience, 2 in Nature Communications), 1 book (288 pp), 26 book chapters (22 peer-review), 26 reports and report contributions, 5 publicly released maps and compilation databases.
<b>Editorial of special issues:</b>	
2017	Guest Editor: <i>Climate of the Past</i> , Climate–carbon–cryosphere interactions in the East Siberian Arctic Ocean: past, present and future, in preparation.
2014-2016	One of five editors: Atlas of Submarine glacial Landforms published in 2016 by the <i>Geological Society of London</i> as a Memoir within the Lyell Collection.
2014	Main Guest Editor: <i>Quaternary Science Reviews</i> , Special Issue Arctic Palaeoclimate and its Extremes II (APEX II), volume 92

2010	Main Guest Editor: <i>Quaternary Science Reviews</i> , Special Issue Arctic Palaeoclimate and its Extremes (APEX), volume 29, issues 23-24
2009	One of three guest editors: <i>Global and Planetary Change</i> , Special Issue The 2005 HOTRAX Expedition to the Arctic Ocean, Volume 60, issues 1-2.
2008	Main Guest Editor: <i>Polar Research</i> , Special Issue Arctic Palaeoclimate and its Extremes (APEX)
<b>Publicly released maps, compilation data and databases 2008-2017:</b>	
2015	Jakobsson et al., The International Bathymetric Chart of the Arctic Ocean (IBCAO). Map based on Version 3. Available for download at: <a href="https://www.gebco.net/data_and_products/printable_maps/ibcao_map/">https://www.gebco.net/data_and_products/printable_maps/ibcao_map/</a>
2014	Jakobsson, M, Schenke, H_W., Weatherall, P., Turko, N., and Montoro, H., and Mustapha, A., General Bathymetric Chart of the Oceans (GEBCO): World Ocean Bathymetry, map scale 1:35,000,000, GEBCO Sheet 2014:00. Available for download at: <a href="https://www.gebco.net/data_and_products/printable_maps/gebco_world_map/">https://www.gebco.net/data_and_products/printable_maps/gebco_world_map/</a>
2012	The International Bathymetric Chart of the Arctic Ocean (IBCAO). Bathymetric grid model of the Arctic Ocean. Available for download at: <a href="http://www.ibcao.org">http://www.ibcao.org</a> . <b>Version 3.0 released December 2012.</b>
2008	The International Bathymetric Chart of the Arctic Ocean (IBCAO). Bathymetric grid models, contours and maps of the Arctic Ocean. Available for download at: ( <a href="http://www.ibcao.org">http://www.ibcao.org</a> ). <b>Version 2.0 released April 2008.</b>
2006	Jakobsson, M, Anderson, R., Hall, J.K., Jacobs, C., Monahan, D., Montoro, H., and Mustapha, A., General Bathymetric Chart of the Oceans (GEBCO): World Ocean Bathymetry, map scale 1:35,000,000, GEBCO Sheet 2006:00.
2000	The International Bathymetric Chart of the Arctic Ocean (IBCAO). Bathymetric grid models, contours and maps of the Arctic Ocean. Available for download at: ( <a href="http://www.ibcao.org">http://www.ibcao.org</a> ). <b>Version 1.0, released following the American Geophysical Union Fall Meeting, Dec 1999.</b>