



Professor Martin Jakobsson

Born 13 October 1966

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Summary:

After completing a PhD in 2000 at the Department of Geological Sciences, Stockholm University, I joined the Center for Coastal and Ocean Mapping at the University of New Hampshire, USA, for a research scientist position. I returned to Stockholm University from USA in April 2004 for an Associate Professor position at the Department of Geological Sciences. From November 2004, the Royal Swedish Academy of Sciences awarded me five years to devote full time for research as an Academy Fellow through support from the Knut and Alice Wallenberg Foundation. I was promoted to full Professor of Marine Geology and Geophysics at Stockholm University in September 2009 and has served as Head of the Department of Geological Sciences between 2012 and 2018, Dean of Earth Science 2021-2023, and since 2024, as one of three Deputy Vice Presidents for Stockholm University with responsibility for the Science Academic Area. My current research interests include the Arctic Ocean glacial history, the West Antarctic and Greenland ice sheets, submarine glacial landforms and geophysical seafloor mapping using acoustic methods. I have spent much more than one year of ship time onboard open ocean research vessels and have been Co-Chief Scientist on nine international ocean expeditions. I have had a Professor II position at the University Centre of Svalbard (UNIS) since 2011 and was elected as a member of the Norwegian Scientific Academy for Polar Research in 2016. The Royal Swedish Academy of Sciences Class V for Geoscience elected me as a member in 2012, and I acted as the 1st Vice President of the Academy between 2016 and 2019. I have served as the Vice Chair of the UNESCO-IOC-IHO General Bathymetric Chart of the Oceans (GEBCO) between 2013 and 2020 and was the lead author of the Road Map for Future Ocean Floor Mapping that led to the global Nippon Foundation - GEBCO Seabed 2030 project with the mission of mapping all of the World Ocean until year 2030 (<https://seabed2030.gebco.net/>).

Academic Degrees:

- 2003 *Docent*: Docent lecture "The ocean floor physiography visualized using computer 3D-techniques and global databases"
- 2000 *Ph.D.*: Stockholm University. Ph.D. thesis title: "Mapping the Arctic Ocean: Bathymetry and Pleistocene Paleoceanography"
- 1995 *M.Sc.*: Stockholm University. M.Sc. thesis title: "Glacial and postglacial development of the Ören glaciofluvial deposit south-west of Torö, southern Stockholm Archipelago, Sweden"

Professional Appointments:

- 2024- Deputy Vice President for the Science Academic Area
- 2024- Deputy Dean of Faculty of Science, Stockholm University
- 2021-2023 Dean of Earth and Environmental Sciences, Stockholm University
- 2012-2018 Head of Department of Geological Sciences
- 2011- 2021 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: Royal Swedish Academy of Sciences position supported by the Knut and Alice Wallenberg Foundation. (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 (Research Scientist I): 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 *Ocean Surveyor*. Marine geologist, Department of Marine Geology, SGU, spring term 1995.

Professional Societies:

- 1998- American Geophysical Union

Honors and Awards:

- 2011 IASC Medal: The International Arctic Science Committee
- 2011 Petterson Prize: The Swedish Geological Society
- 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 paper 1999: "Glacial/Interglacial Cycles Monitored by Color and Manganese Variations in Sediments from the Lomonosov Ridge: An Approach to Constrain the Paleomagnetic Chronology". Title of Paper 1998: "Late Pleistocene Ice Grounding on the Lomonosov Ridge, Central Arctic Ocean?".

Sea-Going Experience (international expeditions):

>1 year ship time onboard open ocean research vessels.

3 visits to the North Pole: 1996, 2004, 2005. Co-Chief scientist on nine international ocean expeditions. Chief scientist on numerous Baltic missions (not listed), several with Stockholm University's RV *Electra*

- 2025 *Chief Scientist*, Sea Acceptance Test (SAT) for IB *Oden* multibeam (Svalbard) (Aug 1-10).
- 2024 *Co-Chief Scientist*, North of Greenland 2024 exp., IB *Oden*, north Greenland (Aug 6-Sept 17).
- 2021 *Chief Scientist*, Survey of Estonia wreck site, RV *Electra*, Baltic Sea (July 8-15).
- 2019 *Co-Chief Scientist*, Ryder 2019 exp., IB *Oden*, northwestern Greenland (Aug 5-Sept 10).
- 2015 *Co-Chief Scientist*, Petermann 2015 exp., IB *Oden*, northwestern Greenland (July 30-Sept 3).
- 2014 *Co-Chief Scientist*, Leg 2 of SWERUS-C3 expedition, Arctic Ocean, IB *Oden* (Aug 20- Oct 3).
- 2013 *Co-Chief Scientist*, VEGA 2013: Expedition Greenland, RV *Explorer of Sweden* (Aug 1-15).
- 2010 *Co-Chief Scientist*, Oden Southern Ocean 0910, West Antarctica, IB *Oden* (Feb 8- March 10).
- 2009 *Chief Scientist*, Sea Acceptance Test III (SAT) for IB *Oden* multibeam (Svalbard).
- 2008 *Chief Scientist*, Sea Acceptance Test II (SAT) for the IB *Oden* multibeam (Svalbard).
- 2007 *Co-Chief Scientist*, Lomonosov Ridge Off Greenland (LOMROG) expedition, Arctic Ocean with IB *Oden* (Aug 11- Sept 16).
- 2007 *Chief Scientist*, Sea Acceptance Test I (SAT) for IB *Oden* multibeam outside of Norway.
- 2005 *Shipboard Scientist* (Swedish scientific team leader onboard USCGC *Healy*), Healy-Oden Trans-Arctic Expedition (HOTRAX). Icebreaker transect of the central Arctic Ocean (5 Aug-30 Sept).
- 2004 *Shipboard Scientist*, IODP Exp. 302, Arctic Coring Expedition (ACEX): Drilling on the Lomonosov Ridge in the central Arctic Ocean (7 Aug-14 Sept).
- 2003 *Shipboard Scientist*, Marine geophysical mapping of the Chukchi Borderland, Arctic Ocean: Multibeam mapping and sub-bottom profiling with USCGC *Healy* (31 Aug-11 Sept).

- 1999 *Shipboard Scientist*, 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 *Shipboard Scientist*, Arctic Ocean 96 expedition with IB *Oden* to the central Arctic Ocean (18 July-24 Sept).
- 1996 *Shipboard Scientist*, FINNARP 95/96: Marine geological expedition with RV *Aranda* to the eastern Weddell sea, Antarctica.

Member of Societies:

- 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)
- 2015 Fellow of the Explorers Club, Swedish Chapter

Stockholm University services (selected):

- 2025- *Deputy Vice President* of Science, Stockholm University
- 2024- *Vice Dean* of Faculty of Science, Stockholm University
- 2021- *Dean* of Earth and Environmental Sciences at Stockholm University
- 2023- *Member* of Board, the Baltic Sea Centre at Stockholm University
- 2013-2018 *Member* of Board, the Bolin Centre for Climate Research at Stockholm University
- 2012-2018 *Head of Department (Prefect)* of Geological Sciences, Stockholm University
- 2005–2012 *Core Theme Leader* for “Land and Ocean Spatial Reconstructions”, the Bolin Centre for Climate Research at Stockholm University
- 2009-2011 *Member* of Board, Stockholm University Faculty of Science
- 2007-2009 *Member* of Board, the Earth and Environmental Sciences Appointments, Stockholm University

Services (Organizations, Committees and Boards):

- 2021 *Member* of the Mohn Prize Board
- 2019- *Board Member* of the Nobel Foundation Council, Sweden
- 2020-2022 *Chair* of Crafoord Prize Board, Royal Swedish Academy of Sciences
- 2019- *Member* of the Joint Committee of the Nordic Natural Science Research Councils in the Nordic Countries (NOS-N).
- 2019-2020 *Member* of Swedish Research Council’s Scientific Council for Natural Sciences and Engineering Science
- 2018-2019 World Wild Life Foundation (WWF), Sweden, Council of Trust
- 2016-2019 *1st Vice President* of the Royal Swedish Academy of Sciences.
Chairman of the Royal Swedish Academy of Sciences Environmental Committee
Chairman of Crafoord Prize Board
- 2014- *Board Member* of RIFO, a forum for facilitating contact and dialogue between members of the Swedish Parliament (Riksdag) and researchers
- 2013 *Member* of Swedish Research Council (VR) NT-007 Evaluation Panel
- 2013-2021 *Vice Chairman* of UNESCO IOC-IHB General Bathymetric Chart of the Oceans (GEBCO)
- 2012-2016 *Chairman* of GEBCO Sub Committee on Regional Undersea Mapping (SRCUM).
- 2009-2012 *Chairman* of the GEBCO interim Sub Committee on Regional Undersea Mapping (iSRCUM).
- 2011- *Chairman* of the International Bathymetric Chart of the Arctic Ocean (IBCAO)
- 2011 *Member* of Swedish Research Council (VR) NT-C Evaluation Panel

- 2007- *Member* of Editorial Advisory Panel for the journal Polar Research
- 2006-2007 *Member* of the International Polar Year (IPY) Swedish data and monitoring committee
- 2006-2007 *Member* of International Study of Arctic Change (ISAC) guiding Scientific Council.
- 2005- *Member* of joint UNESCO IOC-IHO Guiding Committee for General Bathymetric Chart of the Oceans (GEBCO)
- 2005-2012 *Chairman* for the International Arctic Science Committee endorsed research (IASC) network program Arctic Palaeoclimate and its Extremes (APEX)
- 2005-2007 *Oversight Committee Member* for NSF project AAGRUIK, the Arctic Archive for Geophysical Research.
- 2004- *Evaluation Committee Member* 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 *Scientific Advisor* for the General Bathymetric Chart of the Oceans (GEBCO)
- 1998- *Editorial Board Member* of the International Bathymetric Chart of the Arctic Ocean (IBCAO)

Editorial of special issues:

- 2017 Guest Editor: *Climate of the Past*, 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 *Geological Society of London* as a Memoir within the Lyell Collection.
- 2014 Main Guest Editor: *Quaternary Science Reviews*, Special Issue Arctic Palaeoclimate and its Extremes II (APEX II), volume 92
- 2010 Main Guest Editor: *Quaternary Science Reviews*, Special Issue Arctic Palaeoclimate and its Extremes (APEX), volume 29, issues 23-24
- 2009 One of three guest editors: *Global and Planetary Change*, Special Issue The 2005 HOTRAX Expedition to the Arctic Ocean, Volume 60, issues 1-2.
- 2008 Main Guest Editor: *Polar Research*, Special Issue Arctic Palaeoclimate and its Extremes (APEX)

PhD students and postdocs:

- | Main supervisor | Co- supervisor |
|---|--|
| - Jan Matwejczuk (2024-10-07-active) | - Ernst Jonsson, (2022- active) |
| - Jamie Barnett (2022-10-01-active) | - Tirza M. Weitkamp (2021- 2025) |
| - Benjamin Hell (defended 2011-06-08) | - Julia C. Muchowski (defended 2023-03-05) |
| - Daniela Hanslik (defended 2011-06-10) | - Elizabeth Weidner (defended 2023-03-29) |
| - Emma Sellén (defended 2009-11-27) | - Natalia Barrientos (defended 2018-05-31) |
| - Florence Collioni (defended 2009-09-14) | - Henrik Swärd (defended 2018-04-27) |
| | - Francis Freire (defended 2016-04-20) |
| | - Pedro Preto (defended licentiate 2016-05-03) |

Postdocs

- Tham Truong, Machine Learning (2025-)
- Matthew Danielsson, Glacial morphology (2025-)
- Felicity Holmes, Ice Sheet modelling, North Greenland (2023-2024)
- Naichen Chen, Submarine Groundwater Discharge in the Baltic Sea (2021-2024)
- Carlos Castro, Bathymetric Compilations (2021-2023)
- Henning Åkesson, Glacial modeling (2018-2021)
- Christof Pearce, Arctic Ocean sea ice reconstruction (2014-2017) (Now Assistant Prof. Aarhus Univ)
- Christian Stranne, gas hydrate modeling in the Arctic Ocean (2014-2017) (Now Assistant Prof. SU)

- Linda Ampel, Arctic Ocean sea ice proxies (2012-2014) (Now Senior Research Officer, FORMAS)
- Sara Greenwood, marine glacial geomorphology (2010-2013) (Now KAW Academy Fellow SU)
- Bijoy Thompson, circulation modeling of the Arctic Ocean (2008-2010) (Now Res. Univ of Singapore)

Postdocs (co-supervisor)

- Camille Akhoudas, Geochemical oceanography, North Greenland (2021-)
- Brett Thornton, Methane, North Greenland (2021-)

Reviewer of Research Proposals outside of Sweden

NERC, NSF, RANNIS-Iceland, Norwegian Research Council, Tromsø Research Foundation

Regular Peer-review Assignments

Nature, Nature Communications, Science, Science Advances, PNAS, Geomorphology, Geomarine Letters, The Cryosphere, Quaternary Science Reviews, Communications Earth & Environment, Climate of the Past, Geophysical Research Letters, Geology, Computers and Geoscience, Marine Geology, Oceanography, Earth Science Reviews, Marine Geodesy, Geochemistry/Geophysics/Geosystems

Selected ongoing research and operational funding

Knut & Alice Wallenberg foundation: 2024-2029 (Scholar, 18 MSEK), Swedish Research Council (Upgrade of Oden VR-RFI): 2022-2026 (7.09 MSEK from VR + 13.88 MSEK co-funding from partner organizations); Swedish Research Council (VR): 2022-2025 (3.8 MSEK); Swedish Research Council FORMAS 2022-2024 (3 MSEK); Nippon Foundation of Japan: 2017-2027 (committed \$18.5 M for our international Seabed 2030 program, SU receives ~2.75 MSEK/year to operate Arctic Ocean center for bathymetric compilation); Swedish Radiation Safety Ministry: 2021-2023 (3.4 MSEK); EU-EMODNET Bathymetry: 2020-2022 (€113 k).

Summary of Publications:

Peer-reviewed original articles: 244 in Scopus, of which some are peer-review book chapters
 Single authored Perspectives (Science) and News and Views (Nature): 2, Books: 1
 H-Index/stat (Dec, 2025): Google Scholar: 73 (total citations 25 051); Scopus: 61 (total citations 16 445)

Selection of invited lectures since 2008

- 2025 Rotary Club, Stockholm, Oct 1. Title “Why Did the Glacier Break Up? The Swedish Icebreaker Oden reaches Northern Greenland’s uncharted fjords to advance sea-level rise research”
- 2025 VIP event at Icebreaker Oden in Helsingborg, June 17, about seafloor mapping and the Polar Connect project. Round table discussion incl. Swedish Minister for education, Crown Princess Victoria, Swedish Arctic ambassador, Swedish research council general director among others.
- 2025 ICAM-X (International Conference on Arctic Margins), Bremen, March 17 Invited talk: The Value of Mapping the Arctic Ocean Floor: Enhancing Data Availability for Scientific Progress.
- 2024 NORCE-GoNorth til Gakkelryggen, 14 March. Invited to talk about North Greenland Earth Ocean Ecosystem Observatory, GEOEO.

- 2023 Norwegian Scientific Academy for Polar Research, Norwegian Academy of Science and Letters, Oslo, 24 March, Invited talk. Title: Access to Arctic marine infrastructure and data.
- 2022: Museum of Wrecks, Oct 13. Invited to speak about the M/S Estonia survey in 2021
- 2022: Prins Eugens Waldemarsudde art exhibition hall, Feb 9. Invited together with artist Åsa Stjerna to talk about “sound images” of the ocean.
- 2022: Kartdagarna (Swedish event on mapping), Apr 7. Invited Keynote. Title: Mapping to improve predictions of the sea level rise contribution of the North Greenland Ice sheet.
- 2021: American Geophysical Union Fall Meeting, Dec 17. Invited Keynote. Title: The role of the Arctic Ocean in the global climate system through glacial-interglacial cycles: Outstanding questions and knowledge gaps.
- 2021: The Royal Society of Naval Sciences, Gothenburg, Sweden, Oct 21. Title (Swedish): Havet och oceanografin –vad vet vi och vad vet vi inte?
- 2021: Baltic Sea Regional Hydrographic Commission, 26th Meeting (Virtual), Sept 23. Title: Nippon Foundation-GEBCO-Seabed 2030 project.
- 2021: (online during COVID-19) North Sea Regional Hydrographic Commission meeting 34, April 28. Title: The Nippon Foundation-GEBCO Seabed 2030 Project: Organization and Status.
- 2020: (online during COVID-19) 7th *ArcTrain Annual Meeting*, training of PhD Students, Oct 27. Title: Arctic Glacial History.
- 2020: (online during COVID-19) *GEUS Open Seminar Series*, Oct 9. Title: Ryder 2019 Expedition with Icebreaker Oden in North Greenland.
- 2020: (online during COVID-19) Arctic Regional Hydrographic Science Commission Virtual Science Forum, August 11. Title: IBCAO 4.0: Status, gap analyses and plans ahead.
- 2020: (online during COVID-19) *VII International Symposium on Marine Sciences*, Barcelona, July
Title: What will be revealed if we map the Arctic Ocean seafloor?”
- 2020: *Open Lecture in The Royal Swedish Academy of Sciences series*, Jan 13. Title (Translated from Swedish): “The fight between the ocean and the Greenland Ice Sheet”
- 2019: *From Vision to Action*, Seabed 2030 event at the Royal Society, London, October 22. Title: “Expanding the Frontiers of Ocean Mapping”
- 2018 Presentation of the Crafoord Prize in Geoscience awarded to Syukuro Manabe and Susan Solomon at Skissernas Museum Lund and at the main symposium held at the Swedish Royal Academy of Sciences, Stockholm. Title: Introduction of the Crafoord Laureates.
- 2017 *An Evening About the Baltic*, in honour of Swedish King Carl XVI Gustaf 70 year at the Royal Dramatic Theatre, Nybroplan, Stockholm, April 26. Presentation about the Baltic Sea history on stage.
- 2017 *American Geophysical Union Fall Meeting*, San Francisco, USA. Key note speaker. Title: *What Will Science Gain From Mapping the World Ocean Floor?*
- 2016 *Senioruniversitetet*, Jan 2. An audience of 750 senior citizens. Title (Translated from Swedish): Can the ocean melt the Greenland Ice Sheet?
- 2015 *RIFO seminar in the Swedish Parliament*, Dec 10. Title (Translated from Swedish): *How much is the ocean capable of melting the Greenland Ice Sheet?*
- 2015 *The Royal Swedish Academy of Sciences*, Nov 11. Title (Translated from Swedish): *How much is the ocean capable of melting the Greenland Ice Sheet?*
- 2015 *Climate development and ocean dynamics during the last glacial interglacial cycle*, June 12. Lund University symposium in honour of Prof. Svante Björck. Title: *An Arctic Ocean-wide ice shelf: Why during MIS6 rather than MIS2?*
- 2013 *American Geophysical Union Fall Meeting*, San Francisco, USA. Keynote speaker. Title: *Scientific Discoveries in the Central Arctic Ocean Based on Seafloor Mapping Carried out to Support Article 76 Extended Continental Shelf Claims*

- 2011 *American Geophysical Union Fall Meeting*, San Francisco, USA. Keynote speaker. Title: *Mapped Submarine Landforms in Pine Island Bay, West Antarctica, Indicate Past Ice Shelf Disintegration and Grounding line Retreat*
- 2013 *The Norwegian Royal Academy of Science and Letters*, April 17. Key note speaker. Title (translated from Swedish): *Swedish Arctic Ocean research with icebreaker Oden*
- 2011 *The Royal Swedish Academy of Engineering Sciences (IVA)*, Sept 15. Title (translated from Swedish): *Has the Arctic Ocean ever been sea-ice free?*
- 2011 Arctic Regional Hydrographic Commission annual meeting, Sept 12. Title: *The International Bathymetric Chart of the Arctic Ocean IBCAO*
- 2011 The Sustainable Seas seminar, Sept 12. Swedish Crown Princess Victoria of Sweden guest of honor. Title: *The Seafloor of the Baltic*.
- 2008 NORTEK Conference (Nordic network between Headmasters and Deans of technical universities), June 28, Svalbard. Title: “Arctic Palaeoclimate and its Extremes”
- 2008 International Year of Planet Earth, *Royal Swedish Academy of Sciences*, May 26. Title: *The World Ocean seafloor and tsunamis: Can tsunamis occur in Scandinavia?*

Organization of meetings and events (selected)

- 2025 Seminar organized with RIFO and the Royal Swedish Academy of Sciences at the Swedish parliament, “Polar Research in a new geopolitical landscape”
- 2022 Seminar organized with RIFO at the Swedish parliament, *Rent dricksvatten-vilka hot finns?*, October 19.
- 2022 Seminar organized with RIFO at the Swedish parliament, *Är vi förberedda på framtidens klimat*, 20 April.
- 2022 Member of the organizing committee of the Royal Swedish Academy of Science event: *Security and preparedness in the changing north – research perspectives*, 8-9 November.
- 2021 Member of Steering Committee for 1st Euroscience Policy Forum, 29-30th June.
- 2018– 2019 Co-organizer of the Royal Swedish Academy of Science events: *Solutions to Plastics in the Ocean – the Baltic and Beyond*, June 13, 2019; *The Expansion of Low Oxygen Zones in the Global Ocean and Coastal Waters*, Feb 21, 2019; *The Ocean in a +2°C world -An analytical perspective*, Feb 22, 2018.
- 2019 Chair of program committee for *The Seabed 2030 Project – From Vision to Action*, Oct 22, 2019, the Royal Society, London
- 2018 Organizer of the *First Seabed 2030 - Arctic, Antarctic & North Pacific Mapping Meeting*, Oct 8-10, Stockholm University, Sweden
- 2016 Program committee for *Forum for Future Ocean Floor Mapping*, June 2016, Monaco Oceanographic Museum, Monaco
- 2013 Co-Chair of organizing committee for *Arctic Observing Summit 2013*, 1st Biennial Arctic Observing Summit in Vancouver, British Columbia, Canada. April 30 – May 2, 2013
- 2007 – 2012 Organizer or co-organizer of six *Arctic Palaeoclimate and its Extremes (APEX)* International Conferences and Workshops: 2007, Royal Swedish Academy of Sciences, Stockholm, Sweden; 2008, Durham University, Durham City, UK; 2009, The Natural History Museum,

University of Copenhagen, Denmark; 2010, University of Iceland, Höfn, Hornafjörður, Iceland; 2011, The University Centre of Svalbard, Svalbard; 2012, Oulu University, Oulanka Research Station, Finland.

2011 Organizer of *Arctic-Antarctic Seafloor Mapping Meeting*, May 3-5, Stockholm University

2006 – 2014 Convener and co-convener of Sessions at American Geophysical Union (AGU) Fall Meeting, San Francisco, USA: 2014, "New Perspectives on Seafloor Morphology from High-Resolution Ocean Mapping"; 2010, "Ice Streams: Glaciological Mechanisms and Geological Records". 2006, "Tectonic and Paleoclimatic History of the Arctic Ocean Basin: Results From HOTRAX and Other Arctic Ocean Research Programs I".

2009 – 2018 As Vice Chair of IOC-IHO GEBCO (General Bathymetric Chart of the Oceans) and Chair of GEBCO's Sub Committee on Regional Undersea Mapping (SCRUM) until 2016, I have taking part in organizing the GEBCO annual meeting since 2009.