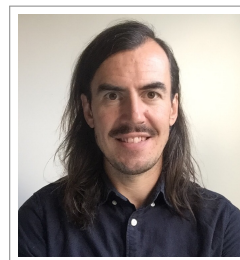


Per Pemberton

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Education

- 2010–2015 **Doctoral Degree in Physical Oceanography**, *Stockholm University*, Stockholm.
Thesis title: Freshwater processes and water mass transformation in the Arctic Ocean, available at <http://su.diva-portal.org/smash/get/diva2:751037/FULLTEXT01.pdf>.
- 2002–2003 **Undergraduate courses in Geology, Physical Geography and Oceanography 25 credits**, *Gothenburg University*, Gothenburg.
- 1998–2003 **Masters Degree in Engineering Physics (Civilingenjör Teknisk Fysik)**, *Umeå University*, Umeå.
Master thesis title: Variations in the volume transport between the main basins in the Baltic Sea, Kattegat and Skagerrak during 1997–2001, extracted from data from SMHI's operational ocean model.
- 1997 **Cambridge Advanced English Degree**, *Hammersmith West London College*, London.
- 1996–1997 **Post upper secondary school studies in Natural Science**, *Välkommaskolan*, Malmberget.
- 1992–1996 **National Alpine Ski Academy combined with Social Science studies (upper secondary school)**, *Välkommaskolan*, Malmberget.

Experience

Employments

- 2004–present **Researcher at the oceanographic R&D unit**, *SMHI (Swedish Meteorological and Hydrological Institute)*, Gothenburg.
- 2001–2004 **Sales assistant**, *Spar Terningen*, Gothenburg.
Part-time employment at delicatessen in a super market.
- 2001–2002 **Trainee**, *Ericsson Microwave Systems*, Mölndal.
Inhouse practice 20 weeks performing antenna measurements and micro circuit construction.
- 2000 **Caretaker/Receptionist**, *Umeå Camping Site*, Umeå.
Summerjob for 2 months.
- 1999 **Summer internship**, *Gällivare Municipality*, Gällivare.
Summerjob for 2 months at the municipal technical department.

1998 **Ski lift operator**, *Riksgränsen Ski Resort*, Riksgränsen.

1997–1998 **Switch board operator**, *Gällivare Hospital*, Gällivare.
Summerjob for 2 months.

1997 **Sales assistant**, *Blacks Outdoor Leisure*, London, England.

Sales assistant responsible of outdoor and ski gear.

Participation in fieldwork

2009: **FMI (Finnish Meteorological Institute) Sea Ice Cruise.**

A three-week sea ice expedition with R/V Aranda in the Bothninan Bay, measurements focused on sea ice and snow depth.

2007–2009: **Improved sea ice monitoring for the Baltic Sea.**

A Swedish National Space Board funded project in collaboration with Chalmers Technical University focusing on improving sea ice charts using new satellite products (SAR). The field measurements focused on ground truthing the sea ice conditions in the Bothninan bay using a helicopterborne measurement system.

2005: **IRIS sea ice campaign.**

IRIS was a FP5 EU-project, (www.tkk.fi/Units/Ship/Research/Iris/Public/). The sea ice campaign consisted of two weeks onboard R/V Aranda and 3 days onboard I/B Ymer performing sea ice and snow measurements.

Languages

Swedish native tounge

English fluent

Computer skills

Programming languages Python, Fortran, C, matlab, IDL, bash

Operating systems OS X, LINUX/UNIX, Windows, LINUX based HPC systems

Office applications LaTeX, Microsoft Office, Open Office, iWork, Adobe Illustrator

Ocean models MITgcm, NEMO, CESM, RCO, HIROMB

References

Available upon request