

## Personal data

Born: December 09, 1966.  
Citizenships: Swedish.  
Languages: English, Swedish, (German).  
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## University Degrees

2016 Ph.D. (Physical Oceanography), University of Gothenburg, Sweden. Supervisor: Lars Arneborg. Title of thesis: Estimating the air-water gas transfer velocity during low wind conditions.  
1997 Energy system analysis (one semester), Chalmers University of Technology, Sweden.  
1990 M.Sc. (Mechanical Engineering), Chalmers University of Technology, Sweden. Two semesters including master thesis within fluid mechanics in University of Technology, Vienna, Austria through scholarship

## Professional record

2018-present Coordinator and researcher, Oceanography unit, Department of Research and Development, Swedish Meteorological and Hydrological Institute.  
2016-2018 Researcher at the Department of Marine Sciences, University of Gothenburg.  
2008-2018 Unit manager, Project manager, Senior Engineer etc., Semcon AB, Sweden  
2001-2008 Unit manager, Project manager, Senior Engineer etc., Caran (various inc.), Sweden.  
2000-2001 Group and product manager for Pharmaceutical Components, APV Systems, Pharmaceutical, Sweden.  
1995-2000 Specialist and assignment leader within Fluid mechanics and turbine technology, Sydskraft Konsult AB, Sweden.  
1993-1995 Assignment leader, Hydropower, Vattenfall Hydropower AB, Sweden.  
1990-1993 Research Engineer Hydro power and Fluid mechanics, Vattenfall Utveckling AB, Sweden.

## Supervision

Masters theses (30-60 hp each): Emeli Wasberg, Elly Gaggini 2018.

## Peer-review work

- Reviewer for journals.

## Conference session convening and

- Convener for one session at the 4th Asian Wave and Tidal Energy Conference (AWTEC 2018), Taipei, Taiwan, 2018.
- Solicited oral presentation at EGU General Assembly in Vienna (EGU2019), Austria, 2019.

## Scientific grants, main applicant

- 2019-2023: (with Göran Broström) Drakens park, Swedish Energy Agency.
- 2016-2018: (with Göran Broström) Drakens väg, Swedish Energy Agency.
- 2011 - 2016: Salary for 4 years of Ph.D studies in University of Gothenburg.

## Other grants and contracts

- 2019-2022: Co-applicant on ERA-NET Cofund project Mussel Up.

### **Selected teaching**

- Financing large power plants, EU-Tacis project in Kyrgyzstan 1997.

### **Pedagogic education**

- HPE101: Teaching and Learning in Higher Education 1: Basic course (5 hec).

### **Selected field work since 2010.**

- PREPARED project, 2014-2015: PREPARED Present and past flow regime. On contourite drifts west of Spitsbergen. Mooring deployments inside and outside of Spitsbergen.
- Air-water gas exchange experiments, including influence of waves, at several Swedish lakes and in Gullmar Fjord during 2010-2012. Collaboration with David Bastviken (LiU), and Anna Rutgersson (UU).

### **Patents**

- Aerodynamic properties of ground vehicles, US Patent App. 12/853,975 and US Patent App. 11/813,188.
- Improvement of the aerodynamic properties of ground vehicles, EP2258607A1.