

**CV**  
**Florian Burmeister**



**PROFILE**

I have performed experimental research in five research groups in international contexts, where I, amongst various activities, have been programming a data acquisition program and projected a vacuum chamber. As a researcher I have experience in writing science papers in English, and as an active member of the Swedish Union of Tenants I have written referrals and meeting notes. I am the head of the local Union of Tenants.

**GOAL**

I want to use my broad international background, mainly from academic research, and combine it with my interest in languages and Writing.

**TRANSLATOR AND INTERPRETER**

**TexFlo Translation, Own firm, 2015 - - -**

Translation and proofreading of technical manuals, e.g. for biogas plants and trams.  
Interpreting for the police, authorities, and the judiciary. Working as a technical consultant.

**RESEARCH AND EDUCATION**

**Division for Electricity, Uppsala University, 2007-2014**

Research position in the group of Jan Isberg and Mats Leijon.

I

- built an experiment for electronic characterization of diamonds.
- updated the homepage of the group.
- have documented circuit boards for a wave power project.
- have built a metal box for the shielding of electronics in a switchgear.
- have documented the components in a switchgear. The documentation can be read in the CAD program SolidWorks.
- have dimensioned a lattice mast for a wind turbine. I used the FEM program Simulation in SolidWorks.

**Institution for Cell- and molecular biology, Uppsala University, 2005-2007**

Research position in the group of Janos Hajdu.

I

- projected for a vacuum chamber which is used for experiments at a roentgen laser in Hamburg. I performed the chamber design in the CAD-program SolidWorks. I assisted an intensive course in SolidWorks.
- prepared and participated at experiments which show the possibility to perform a new type of microscopy, where ultrafast laser pulses monitor nanometer-small biological samples on a CCD-camera. We programmed the experiment in LabVIEW.
- was the main responsible for the safety at the experiment in Hamburg.
- worked with conventional microscopy techniques, such as SEM and AFM, to characterize samples, which then were used at the roentgen laser in Hamburg.
- collaborated with researchers from Berlin, Hamburg and Livermore (USA).

## **RESEARCH AND EDUCATION, cont.**

### **The synchrotron laboratory BESSY, Berlin, 2003-2005**

Post-doctoral position in the group of Wolfgang Eberhardt.

I

- built an optical setup called a pulse modulator, which is used to optimize an optical femtosecond pulse for steering electronic processes in metal clusters. The pulse modulator was controlled by LabVIEW.
- assisted a two day course in LabVIEW programming.
- supervised a PhD student.

### **Physics department, Uppsala University, 1998-2003**

PhD student in the group of Svante Svensson and Olle Björneholm.

I

- sampled a photoelectron spectrum on DCI with maximum resolution.
- programmed a data acquisition program in languages Pascal, C++, and the macro language in Igor Pro (a data treatment program, similar to MatLab).
- wrote a manual for the data acquisition program.
- characterized and optimized the electron optics on a massspectrometer.
- documented and analyzed my results.
- wrote scientific articles (in English).
- collaborated with groups in Brazil, Lund and Berlin.

### **UNICAMP, Campinas (Brazil), 1998**

Diploma thesis in the group of Ivan Chambouleyron.

I

- Characterized thin semiconductor films of Bismuth-doped Germanium.
- used techniques such as: IR and optical spectroscopy, Rutherford Back-Scattering, electrical conductivity.

### **Technical physics, applied physics at Uppsala University, 1992-1998**

I studied e.g.

- mathematics.
- electricity and electronics.
- solid mechanics.
- programming in e.g. Pascal and MatLab.
- physics: quantum mechanics, particle physics and solid state physics.
- an exchange semester in Heidelberg, Germany.

### **Technical gymnasium in Enköping, 1989-1992**

I studied e.g.

- technical design (with pen and paper),
- practical workshop activity.

## **EXPERIENCE FROM INDUSTRY**

### **Uppsala Kongress och Konferens AB, April-July 2003**

Assistant organizer for the conference ICESS-9 (International Conference on Electron Spectroscopy and Structure) in Uppsala with 350 participants.

I

- headed planning meetings.
- was responsible for the referee process for the invited speakers and oral presentations.
- organized the schedule, the abstract book and various practical tasks.

### **Spendrups at Vårby Gård, summers of 1993, 1994 and 1995**

Supervision of machines in the can- and bottle-filling halls.

## **EXPERIENCE FROM INDUSTRY, cont.**

### **ABB Atom in Västerås, summer of 1991**

Office work. Inventory of electrical components. Programming and CAD work.

### **Stratos Ventilation in Enköping, summer of 1990**

Bending, cutting and drilling of sheet metal parts, aimed for fan systems.

### **Metalurgica Wilhelm E. Wind in São Bento do Sul (Brazil), 1988-1989**

Quality controller of metal parts such as screws and valves, at current production in a factory. I did random checks on machines with calipers and compared with the engineering drawings.

### **Fischer Knopf, Bärnau (Germany), summer of 1987**

Visual control of the quality of knobs. Warehouse work.

## **TRUST**

**October 2014 - - -:** Substitute in the Uppsala city council and a member of the planning and building board.

**August-September 2014:** Ombudsman in Stockholm during the elections.

I

-coordinated public meetings and the setting up of posters.

-interacted with the parties, the press, the municipality, and shopping malls etc., where we had our public meetings.

-was the secretary at the planning meetings.

-was responsible for the homepage and interactions in social media.

-questioned candidates for the different parliaments at the public meetings.

-was responsible for the taking down of the posters after the elections.

**2011- - -:** Various positions in the Swedish Union of Tenants, e.g. head of the regional election committee, head of the local union and being responsible for the writing of referrals for upcoming constructions in Uppsala.

**10 of November 2005:** Opponent at the Physics department, Uppsala University.

The licenciate thesis “Electronic and Geometrical Structure of Iron- and Metal free-Phthalocyanine Films” was defended by John Åhlund.

**2001-2003:** PhD student representative in the recruitment committee at the Physics department at the Physics section at Uppsala University.

**5 of December 2002:** Invited speaker at BESSYs annual meeting in Berlin on the topic Avoided Crossing in HCl and DCl.

## **LANGUAGES**

Swedish (mother tongue). German, English and Portuguese (Fluent).

## **REFERENCES**

**Peter Cedermark**, translator at Irimi Consulting AB, tel: +46-(0)70-746 3070

**Jens Nilsson**, head of the Uppsala-Knivsta Union of Tenants, tel.: +46-(0)73-643 0085

**Jan Isberg**, professor at Uppsala University, tel: +46-(0)70-218 8167