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Professor Jerker Delsing
EISLAB, Department of Computer
Science and Electrical Engineering
Luleå University of Technology
971 87 Luleå

Dear professor Jerker Delsing,

I heard from a friend that EISLAB was looking for PhD students, so I took a look at what they needed, and I concluded that it suited me and my path of education surprisingly well.

I'm a graduated Engineering Physicist with specialization in applied mathematics. This means I have done some electro magnetic modeling, but primarily I've worked a lot with vector algebra and found it both interesting and unchallenging. Mathematical modeling and programming is something I have done a lot, even as a chemist. Since my work was primarily analytical in nature signal processing was a great part of it. The fact that I already have some experience with research studies means I'm looking forward to another project. The fact that my previous project was canceled have only made me more interested in research, and I hope that will cut down on the startup time. Some of the courses I took in signal processing during that time might even be useful together with other courses I am hoping to be able to take.

I more or less took my licentiate, that was supposed to be a doctorate but the financing ceased, on a whim. It was an interesting project, and I am interested in a lot of things. The sensor technology and electromagnetic fields that many of the projects deal with are very interesting to me, especially sampling functions. This is something I have studied in my free time and it would be very interesting to have the opportunity to do some experimentation in the field. Electromagnetic modeling is not something I have done a lot like a hobby, but I have dealt with FEM and other methods that can be used for modeling. Since this is also a great part of what you do, it would be very interesting to learn from your experiences as well as add my own. My biggest interest is wavelets though, and it would be very interesting to apply wavelet solutions to those kinds of problems.

Since I live on campus, I am available for meetings and questions at most any time. I'm currently unemployed, so I can start working immediately, actually, as soon possible would be preferable.

Yours sincerely,

Lic. Henrik Andrén

encl: CV