Henrik Andrén
Vänortsvägen 5:box 40
977 54 Luleå
Sweden

March 28, 2006

Dr Torbjörn Löfqvist
EISLAB, Department of Computer
Science and Electrical Engineering
Luleå University of Technology
971 87 Luleå

Dear Dr Torbjörn Löfqvist

A friend of mine suggested that I should look at EISLAB's PhD opening, and I found them very interesting. One thing that immediately caught my attention was the Metrology of moisture in granular material using multi sensor techniques.

I'm a graduated Engineering Physicist with specialization to applied mathematics. This means I have done some electro magnetic modeling, primary I've worked a lot with vector algebra and find 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. Furthermore, my work in the chemistry department means I have good connections with people in both geology and metallurgy, which can prove useful in this project.

Since I got a PhD position, but didn't have the founding to finish, it would be nice to eventually get my degree. This naturally means that I am already familiar with the start up process and can spend less time running around, wondering how to do stuff, and get right down to them. It might not be possible to extend my licentiate from ICP-MS onto this, but I think I could just manage that. I would very much like to see what wavelets could do in such an environment, being an interesting tool to deal with acoustics, but also learning how to apply what I know about theoretical electronic forces.

I am available for interview almost any time, since I live on campus. It would be very interesting to meet and see how my previous work can be combined with this for us to come up with new research, and for me to get my PhD.

Yours sincerely,

Lic. Henrik Andrén

encl: CV