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Dr Jan Van Deventer
EISLAB, Department of Computer
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Luleå University of Technology
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Dear Dr. Jan Van Deventer,

a friend of mine recommended me to check up on EISLAB and the new PhD positions available, since he and I both thought they would be interesting to me. One of the more interesting projects that I definitely would like to explore further was the Ultrasound transducers technology project.

I am well versed in mathematical and physical modeling, like FEM and other methods, mostly linear programming and multi dimensional curve fitting. Even if I haven't worked too much with transducers, I have had some experience in high temperature environments, especially considering my background with plasma chemistry, even if that is a bit higher than the 400 °C that are the application here. I have a MsC in engineering physics from this school, where I specialized in mathematic modeling, and after that I took a licentiate in analytical plasma chemistry. I would have liked to continue, but at least that means I know what is required from me as a research student, and I hope I can start swiftly, as well as use some of the courses I studied under your departments supervision.

The little I could read from the ad at the university homepage, it sounded very interesting and like something I would like to work with. Sensor technology seems interesting to me, and mathematical modeling is after all a hobby as well. I'm looking forward to studying transducers, since I was introduced to them a while back, and thought they seemed interesting, albeit nothing I could incorporate in my previous research, now would be an excellent opportunity. Furthermore, I have studied wavelets quite thoroughly and would like to find more applications for this excellent tool in the research, because I am sure there is.

Since I live on campus, and is presently unemployed, I can come over any time for an interview, and would like to start as soon as possible actually. I will contact you and ask more about the project.

Yours sincerely,

Lic. Henrik Andrén

encl: CV