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Job Description/Flyer: Engineering Internship/Master Thesis

Job Description:

EmoSys is a Maastricht based company, developing a medical device to treat depression using non-invasive stimulation of facial nerves.

We are looking for an engineer/physicist/applied mathematician to work in the field of electromagnetic simulation, with hands on experience in working with electromagnetic (EM) simulation software (e.g. COMSOL). The role of the student/intern will be to model the response, conductivity, and resistance of different body parts (e.g. skin, muscles, and nerves) to different electrical signals.

Key Responsibilities:

- Develop a simulation environment with an EM simulation software in order to model and study the effect of electrical signals on certain nerves.
- Work closely with the electrical engineering team for potential design modifications.
- Report and work closely with the CTO to effectively execute the project measures and requirements.
- Author regular technical communication for briefings and logging the technical process.

Qualifications and Requirements:

- Engineering/physics/mathematics graduate student, or new graduate (B.S or M.S. degree), with a solid background in electromagnetic simulation.
- Proficiency in EM simulation software, COMSOL preferred.
- Excellent written and verbal communication skills and solid teamwork.
- Ability to work in a dynamic start-up environment to learn, educate, and trade ideas with the technical staff.