

MASTER'S THESIS

Synthetic aperture radar imaging using automotive radar

In this master's thesis project, you will use an automotive radar in an unconventional manner. Synthetic aperture radar, or SAR, is a method for producing high-resolution radar images using a radar onboard a moving vehicle. This has the potential of providing higher resolution images of a car's surroundings than what current automotive radar technology is capable of.

Your work will involve experiments using a commercial automotive radar. Much of your work will be to develop and implement signal processing algorithms to produce high-quality SAR images from the radar data. Part of the work will be done at Veoneer in Vårgårda, where their industry-leading radar systems are designed and tested. You will be financially compensated for your work.

This project is a unique opportunity to learn about the technical details behind automotive radars and to jumpstart your career in this rapidly growing industry.

Interested? Contact:

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