



Company-paid R&D Internship in Denmark

Partners	Intel Denmark
City	Aalborg, Denmark: a student-friendly town with a large international student community (http://www.visitaalborg.com/).
Duration & start	Nine to twelve months, starting date summer 2017.
Salary	1500 € / month
Title	RF and signal processing internship, special focus on antenna array processing applications
Description	<p>In the ever expanding field of wireless telecommunications, technologies like LTE-Pro and 5G are rapidly becoming essential in providing the desired quality of experience in a wide range of use cases. However the growth of these radio access technologies poses new challenges: interference as a result of network densification and intermittent connectivity when operating in high frequency ranges. Innovative technologies such as array processing need to be developed to tackle those challenges.</p> <p>Intel® is considering the possibility of deploying advanced antenna arrays in the context of cellular LTE Pro and 5G modems. Within the scope of this internship, you will join a team of skilled engineers and researchers developing methods to research practical antenna array implementations, making link level simulations or designing meaningful test environment for active array processors. In particular, under the supervision of such a team, you will:</p> <ul style="list-style-type: none">• Develop an understanding of LTE Pro and 5G• Understand system level benefits of using active array processing• Test on Intel® development products as well as on the latest available handheld devices
Required skills	<p>Familiarity with the following topics is required:</p> <ul style="list-style-type: none">• Programming in MATLAB• Written and oral English• Team work
Preferred skills	<p>Exposure or experience with any of the following topics is preferred:</p> <ul style="list-style-type: none">• Signal processing• C, C#, Python• Digital communications• Antenna theory
Application	If preferred, the internship can be offered in conjunction with a graduation



project.

Please send CV and motivation letter (in English) to the following contacts:

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