



## Company-paid R&D Internship in Denmark

<b>Partners</b>	Intel Denmark
<b>City</b>	Aalborg, Denmark: a student-friendly town with a large international student community ( <a href="http://www.visitaalborg.com/">http://www.visitaalborg.com/</a> ).
<b>Grant</b>	1500€ per month provided by Intel.
<b>Duration &amp; start</b>	Six to twelve months, starting date 1 <sup>st</sup> September 2016.
<b>Title</b>	<b>Advanced receivers for 5G millimeter waves communications</b>
<b>Description</b>	<p>Over the last decade, the demand for mobile data has been steadily growing. In response, the industry has engaged in two different types of research efforts. First, it concentrated on increasing the spectral efficiency of the fourth generation of mobile radio access technologies - LTE-Advanced being the most illustrious example of such an effort. More recently, the focus has instead been shifting towards millimeter communications, which is one of the key aspects defining the fifth generation (5G) of mobile radio access technologies.</p> <p>As one of the largest suppliers to the wireless value chain, Intel is at the forefront of millimeter communication research. Within the scope of the internship, you will support a group of engineers and researchers in creating innovative solutions for 5G cellular systems. Specifically, you will join our team in designing and assessing the performance of such solutions by means of detailed link- and system-level simulators.</p>
<b>Required skills</b>	<p>Familiarity with the following topics is required:</p> <ul style="list-style-type: none"><li>• Digital communications</li><li>• Signal processing</li><li>• Written and oral English</li></ul>
<b>Preferred skills</b>	<p>Exposure or experience with any of the following topics is preferred:</p> <ul style="list-style-type: none"><li>• Programming in MATLAB</li><li>• Programming in C/C++</li><li>• LTE/LTE-A</li><li>• Team work</li></ul>
<b>Application</b>	<p>If preferred, the internship can be offered in conjunction with a graduation project. Please send CV and motivation letter to the following contact:</p> <p><b>Dr.-Ing. Tommaso Balercia</b> E-Mail: <a href="mailto:tommaso.balercia@intel.com">tommaso.balercia@intel.com</a></p> <p><b>Xavier Carreño</b> E-Mail: <a href="mailto:xavier.carreno@intel.com">xavier.carreno@intel.com</a></p>