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Intel Mobile Communications (IMC) develops and markets innovative semiconductor products and solutions for wireless communications leveraging our unique advantages in the areas of RF, Mixed Signal / power management, monolithic integration and comprehensive know-how in cellular software and systems. IMC targets the fast growing market segments of smart phones, connected devices, and ultra-low-cost/ entry phones. Our roadmap is focused to provide the most cost-effective 2G/3G single-chip platforms for ULC phones up to entry-level smart phones and to offer best-in-class 3G/4G slim modem and RF solutions for mid-to high-end smart phones and connected devices.

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Internship UMTS modem VP implementation (f/m)

Description

The candidate will support the implementation of a power-aware UMTS modem Virtual Prototype (VP).

This includes the following topics:

- Familiarization with the signal processing of latest UMTS modems
- Modeling and tracing of defined power states in an existing VP
- Adaptation of a post-processing script for power plot generation
- VP verification by simulation of use cases and comparison with chip measurements
- Evaluation of results as a feedback for the power state definition

Candidate Profile

We are looking for a student in electrical engineering, communications engineering, computer science or informatics (or similar) with the following qualifications:

- Good programming skills in C/C++ (mandatory)
- Experience with SystemC and Virtual Prototypes (VP) (desirable)
- Basic knowledge of Perl or similar scripting languages (desirable)
- Basic knowledge of mobile communication systems (desirable)

Does this opportunity appeal to you? Then we look forward to your online application on intel.com/jobs (job number 614360)

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