

Systems Engineer



Huawei is a leading telecom solutions provider. Through continuous customer-centric innovation, Huawei has established end-to-end advantages in Telecom Network Infrastructure, Application & Software, Professional Services and Devices. With comprehensive strengths in wireline, wireless and IP technologies, Huawei has gained a leading position in the All-IP convergence age. Its products and solutions have been deployed in over 100 countries and have served 45 of the world's top 50 telecom operators, as well as one third of the world's population.

Huawei Leuven R&D team develops next generation RF transceivers, supporting 4G (LTE) and 5G protocols.

Today, we're seeking team players who get things done and share a passion for bringing new wireless technologies to the rapidly growing mobile market. Now is your chance to join the engineering team and develop new, world-leading products.

Job Description

As a member of the Huawei engineering team, the engineer will be responsible for system-level analysis and/or the development of algorithms that are required for the M4S transceiver chip (Tx, Rx or synthesizers). The successful candidate will be responsible for the development of novel architectural solutions including the development of algorithms/models that are required in those architectures, deriving specifications for the different sub-systems in our products, and/or calibration algorithms that are required. He/she preferably has a strong background in DSP algorithms such as interpolation, decimation, FFT, sigma delta, (adaptive) filtering, optimization algorithms, RLS, LMS, Kalman filters etc. Also, knowledge of cellular transceivers and radio control and calibration algorithms at system level are considered a plus.

During the design phase the successful candidate will have a tight interaction with the RF designers, and include observed non-idealities into the simulation models. He/she should be able to analyze the effect of those non-idealities. During the measurement campaign the successful candidate should be able to drive the measurements and help debug the system level measurements. He/she should be able to analyze the measurement results and compare them to the expected results and based on this suggest improvements to the measurement set-up and scripts. After this debugging phase the system engineer should be able to analyze the anomalies between expected and measured results.

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Required Education and Experience

- MSEE with several years industrial experience .
Or relevant and excellent Ph.D., preferably complemented by a few years industry experience.
- Proven track record with silicon measured results
- Some years of relevant experience and seniority level
- Strong algorithmic background (both digital signal processing and optimization fields)
- Matlab coding experience
- Knowledge of wireless transceivers is a plus, especially the behavior of the analog building blocks.
- Good communication skills & team player
- Detail oriented and determined

Location

Leuven, Belgium

How to Apply

Send your resume to Werner.Seerden@huawei.com