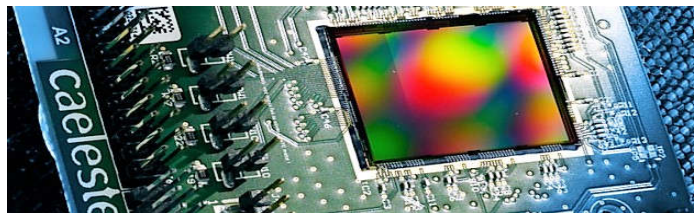


Characterization Engineer

About Caeleste

Caeleste is the young and dynamic innovation engine with a proven track record in design & supply of beyond state-of-art custom-designed high-end CMOS image sensors. The company differentiates through its capability of handling the most advanced projects, covering solutions in high performance imagers in close cooperation with its customers for space, scientific, medical and industrial applications. Thanks to the in-house expertise on high-speed, sub-electron noise, ultra-high dynamic range and extreme radiation-hard designs, Caeleste ensures an end-to-end quality focus on the entire product flow: from architecture, design, prototyping, test & characterization up to production and test for customer deliveries.

We are looking for a Characterization Engineer to join our characterization & test team that is responsible for the functional validation, characterization and production test of our image sensor prototypes & products.



About your job as Characterization Engineer

You will be part of the test team and have the opportunity to grow according to your capabilities and aspirations. We foster experience, but also welcome junior engineers with great potential.

As part of a multi-disciplinary team, you will contribute to the development & production of new CMOS image sensors through characterization of image sensor devices and test structures.

Your responsibilities are diverse and include electro-optical image sensor characterization, functional validation of new designs & processes, optimization of operating conditions and performance limitations, investigation and understanding of image artifacts, development of new test methods and systems, contributing to technical reports and customer interactions.

Job specific requirements:

- Master in (Micro-)Electronics Engineering, Physics or equivalent by experience
- Understanding of CMOS technology and mixed-signal analog/digital electronics
- Elaborate experience with electronic test & qualification equipment
- Capable of programming test procedures and flows in Python and C#
- Creativity, an analytical mind and pragmatic problem-solving skills
- Excellent communication skills in English writing, presenting and customer interaction
- Accountable & committed team player

Additional skills that are of interest:

- Background in test and measurement of semiconductors
- Experienced in image sensors and their applications, testing, camera or instrument design
- Special interest in image sensors & test systems in a production context
- Experienced in electro-optical characterization or evaluation of image sensors
- Background in Silicon processing and CMOS technology
- Understanding of image sensor packages, surrounding electronics, ADCs, DACs, PLLs
- Working language is English, any other language is a plus

For all your questions, please contact Ewa Burzynska or jobs@caeleste.be