

## RF Characterization Engineer

### Key words

Test · RF · mmWave · characterization · SOI · GaN · cryogenics

### About Incize

Incize, a Belgian company based in Louvain-la-Neuve, offers characterization, modeling and process services of devices and materials used for RF, mmWave and harsh environment applications (cryogenics, radiation). Incize is also a leading actor in R&D projects with international partners to develop new technologies. In particular, Incize is the leader in the development of processes to improve the RF properties of Si substrates, with a worldwide expertise recognized by foundries and fabless companies.

### About the job

Incize recruits a self-driven and motivated professional to join the characterization and modeling team, located in Belgium. As RF characterization engineer, you will support R&D activities and develop new products for clients from the RF industry.

### Tasks/Mission

In charge of device characterization for advanced on-wafer RF device technology, the candidate will work closely with our characterization and modeling experts as well as with external foundries to develop custom spice models and libraries. Jointly with the team, the candidate is expected to:

- Perform on-wafer characterization, including DC/AC, S-parameters, large-signal, and noise at ambient, high temperature or cryogenics conditions,
- Develop reference measurement flows for accurate device characterization (best practices),
- Develop characterization test structures,
- Develop accurate methodologies for data analysis,
- Deliver technical reports,
- Develop and improve our internal scripts and tools for measurements.

### Qualification and expertise

- Master of Science in Electrical Engineering required

## JOB OPENING

June 2023



- Characterization techniques (DC, AC, RF, noise) and tools (ICCAP) On-Wafer and packaged devices characterization
- Semiconductor device physics (especially advanced MOSFETs and BJTs) and CMOS process flow
- Scripting language (e.g. Python or similar)
- Knowledge of Silicon-on-Insulator (SOI) and GaN devices (advantageous)
- Problem solving and communication skills within a multicultural environment
- Professional English for communication and reporting.

### What we offer

- Competitive salary.
- Comfortable work environment in an international team.
- Opportunities to learn from experts in the field.

### Location

Louvain-la-Neuve, Belgium

### How to apply

Please send your CV, a list of publications and a cover letter to [jobs@incize.com](mailto:jobs@incize.com) with the subject line `job_RFCE01_2023_lastname`. References to be provided upon request.