

Driving decarbonization and digitalization. Together.



Radiation Effect Engineer

Job description

In this role, you will be part of radiation effect team who will be in charge of designing, testing, preparing test boards, devices and instrumentation to support our development efforts. You will also take part in test executions and trips to various radiation effect facilities. Your background in electrical engineering and device physics is a requirement to be successful in this position.

In your new role you will:

- **Be part of radiation effect team** who will be in charge of designing, testing, preparing test boards, devices and instrumentation to support our development efforts.
- **You will also take part in test executions and trips** to various radiation effect facilities
- **Background in electrical engineering and device physics** is a requirement to be successful in this position.

Profile

You are best equipped for this task if you have:

- **B.Sc. or MSc. in Electrical and Computer Engineering** or Semiconductor Physics
- **3 to 5 years of working experience** in high reliability or space electronics
- Previously involved in **test and evaluation of electronic components or systems** under radiation environment
- **Experience with simulation tools** such as MatLab, PSPICE and PLECs
- **Familiarity with instrument automation** using SCPI commands
- **Proficiency with programming language** such as C, C++ and Python
- Have backgrounds in **power electronic, analog and digital circuit designs**
- **Capability to use PCB layout tool** such as Altium, OrCAD or others to **design electronic circuits to create prototype boards** as part of a project development
- **Demonstrate the ability to use laboratory instruments** such as oscilloscope, power supply, function generator and curve tracer
- **Possess good written and verbal communication skills** and being dependent in creating technical reports, presentations and documents for internal and external communications
- **Willingness to travel** domestically and possibly internationally about 15% of the time

At a glance

Location:

Job ID: **HRC0876728**

Start date: **as soon as possible**

Entry level: **3-5 years**

Type: **Full time**

Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0876728**
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Infineon Power & Sensor Systems (PSS) semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world. IR HiRel, part of Infineon PSS, is a leader in high-reliability, rad hard power management and RF solutions for space and other extreme environments.

Our leading-edge power devices make chargers, adapters, power sources and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

– We drive leading-edge power management, sensing and data transfer capabilities –

[Click here](#) for more information about working at PSS with interesting employee and management insights and an overview with more #PSSDreamJobs.

Why Us

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant´s experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

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IR HiRel Products Inc., is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, childbirth, or related medical conditions), gender identity, national origin, ancestry, citizenship, age, physical or mental disability, legally protected medical condition, family care status, military or veteran status, marital status, domestic partner status, sexual orientation, or any other basis protected by local, state, or federal laws.

Employment at Infineon is contingent upon proof of your legal right to work in the United States under applicable law, verification of satisfactory references and successful completion of a background check and drug test, and signing all your on-boarding documents.

In some instances, if applicable, U.S. export control laws require that Infineon obtain a U.S. government export license prior to releasing technologies to certain persons. This offer is contingent upon Infineon's ability to satisfy these export control laws as related to your employment and anticipated job activities. The decision whether or not to submit and/or pursue an export license to satisfy this contingency, if applicable, shall be at Infineon's sole discretion.

Infineon Technologies takes data privacy and identity theft very seriously. As such, we do not request personally-identifiable information (PII) from applicants over the internet or electronically. Please kindly refrain from disclosing your PII electronically during the application process or to unauthorized websites that may purport to be Infineon or any of our affiliates.



This position requires access to documentation that is controlled by the export laws of the United States. Candidates are required to provide proof of either US citizenship, Permanent US residency or classification as a protected individual as defined in 8USC 1324b(a)(3).

#LI-TG1

