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| **Role:** | Senior R&D Engineer |
| **Reporting to:** | Technical Manager |
| **Team:** | R&D |
| **Location:** | Dublin (Office based) |
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| **Company**  **Description:** | Impedans stands at the forefront of plasma diagnostic solutions, delivering innovative tools with an unwavering commitment to precision, accuracy, and quality. We cater to a wide array of sectors, including Semiconductor Manufacturers, Equipment Makers, Sub-System Suppliers, and Research Institutes/Universities. Our team, a blend of experienced scientists, engineers, and technicians, is dedicated to pushing the boundaries of technology. At Impedans, we are not just providing solutions, we are facilitating progress in plasma science, ensuring our clients are always one step ahead. |
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| **Team Description:** | The R&D team is made up of a dynamic group of professionals, each bringing their unique expertise and perspective to develop new products, improve existing products, and provide solutions to novel technical problems. The strength of our team lies in its diversity; fostering innovation at the convergence of Physics, Electronics, Mechanics, Hardware Development, and Software/Firmware development.  The team’s primary responsibility is to engineer, deploy, and sustain Impedans’ product portfolio - bringing forth novel applications and perpetually enhancing the precision, accuracy, and quality of our products. |
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| **Role Description:** | As a Senior R&D Engineer you would be pivotal in the **research,** **development, test, and evaluation** of Impedans’ Sensor Portfolio. Working closely with other Technical Leaders, this role will be responsible for development and delivery of high-tech concepts into commercial products. As a Senior R&D Engineer, you will have responsibilities across the entire product life-cycle; from developing technology demonstrators, validating prototypes, production transfer, through to late maintenance and obsolescence.  As a Senior R&D Engineer, you will be required to collaborate closelyacross all R&D disciplines (SW/HW/APPS) to ideate, develop, integrate, and evaluate Impedan’s Technologies into a value-adding products, troubleshoot any issues that may arise in the field, and deliver process and plasma insights to our customers.  As a senior member of the team, you will be expected to lead projects from a technical standpoint, make autonomous decisions regarding System design, and provide support and coaching to junior engineers. |
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| **Requirements:** | * BSc./MSc/Ph.D in Applied Science/PhysicsMechatronics/Instrument Science * 4+ years’ experience working in a multidisciplinary R&D environment * Experience working within and leading dynamic multidisciplinary project teams * Experienced & comfortable working in agile & dynamic R&D environments * Excellent communication and dissemination of knowledge (written & oral) * Good knowledge of a scripting languages and data-analysis (Python/Matlab) * Ability to build experiments / rapidly prototype concepts * Analytical thinker with good problem-solving skills * Open to travel to validate prototypes at customer sites * Knowledge of electronics and/or mechanical design considered a plus * Knowledge of RF Plasma considered a plus |
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| **Applications:** | Please submit applications to: [katie.heaven@impedans.com](mailto:katie.heaven@impedans.com) |