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Join KROHNE's Innovation and R&D Hub in Ankara!

KROHNE is a **globally recognized manufacturer and supplier for process instrumentation**, known for delivering cutting-edge solutions in industrial measurement technology. With **established R&D sites in Germany, the Netherlands, and the UK**, we are now **expanding our innovation ecosystem by opening a brand-new Innovation and R&D Hub in Ankara, Türkiye**.

Our Innovation and R&D Hub in Ankara will play a **critical role** in the development of next-generation **sensor technologies, digital twins, and industrial measurement solutions**. We are looking for talented engineers and scientists who are eager to shape the future of measurement technology in an **international and collaborative research environment**.

KROHNE Türkiye is looking for a

R&D Engineer – Simulations Expert

We are building our team at the Innovation and R&D Hub Ankara! If you are passionate about cutting-edge technology and hands-on engineering, this is your chance to play a key role in developing and maintaining advanced measurement and instrumentation systems that drive the development of groundbreaking sensor technologies in an innovative environment.

Your main responsibilities:

As an R&D Engineer – Simulations Expert, you will:

- Develop and validate physics-based models of advanced sensor systems, covering electrical, electromagnetic, electromechanical, and ultrasonic functionalities.
- Deepen the understanding of our measurement technologies by conducting FEA and Simulink/Simscape simulations to enhance system performance.
- Create Reduced Order Models (ROMs) to enable real-time simulations of transient effects.
- Design and operate experimental setups and work closely with experimental teams to validate system performance in real-world testing.
- Ensure accuracy and reliability of measurement results by developing model-driven correction and compensation algorithms.
- Collaborate in international, cross-functional teams to drive innovation and knowledge exchange.

Your qualifications:

- PhD Degree in Physics, Electrical Engineering, Mechanical Engineering or a related field.
- Minimum 5 years of relevant experience in R&D, and instrumentation development.
- Experience with physics-based modeling using ANSYS, COMSOL, Simulink/Simscape, or similar simulation tools.
- Experience with Reduced Order Modeling (ROM) and optimization techniques.
- Fundamental programming skills (Python or MATLAB for data processing).
- Team player with an international mindset and willingness to collaborate globally in a cross-functional team.

If interested, please send your CV with a cover letter stating your salary requirements in PDF format to: Didem Tamtunali • Innovation Manager • rndturkey@krohne.com



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- Proficiency in English (written and spoken).
- No travel restrictions.
- In possession of a Class B driver's license with active driving experience.
- Strong analytical and problem-solving skills with a high level of attention to detail and a systematic approach to work.
- Strong interpersonal skills, excellent verbal and written communication abilities.
- Well-developed representation and presentation skills.
- For male candidates, military service must be completed or deferred.
- Adaptable to flexible working hours.
- Residing in Ankara.

Optional:

- Experience with industrial sensor design.
- Experience with flow measurement principles.
- Experience with big data processing and machine learning integration.
- Hands-on experience with measurement equipment.
- Knowledge of CAD tools like SolidWorks.
- Understanding of various sensor technologies (temperature, strain gauges, hall sensors, etc.).
- Several years of professional experience in sensor design and analysis.

Apply now to be part of a cutting-edge innovation and R&D team in Ankara!

On www.krohne.com you'll find additional information about our organization.
For details, please contact Didem Tamtunali, Mail: rndturkey@krohne.com.

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