

Job Opportunity

Senior Research Scientist

Purpose of job

ATLAS ELEKTRONIK UK's Research and Innovation Division is an agile division engaged in cutting edge research within the underwater defence domain. We work closely with our customers to create new capability which protects lives at sea. Our programmes are varied in scope and discipline, so we are considering experienced applicants with a variety of skills.

The division's teams span underwater acoustics, non-acoustics, maritime mine countermeasures and applied technologies.

With no two days the same, research roles at ATLAS ELEKTRONIK UK will provide you with the opportunity to be involved in: development of new signal processing algorithms; application of machine learning techniques to interrogate data sets of interest; development of numerical simulation tools; undertaking laboratory experiments; working within system design teams providing key technical input on new system concepts; or even working onboard naval platforms setting to work equipment and training ships staff.

We are seeking Senior Research Scientists to support and lead R&D programmes within the Division. Applicants are expected to be dynamic, innovative, resourceful, committed and have a track record of successfully planning, coordinating and delivering research programmes.

Reporting relationships

Reports to Team Leader

Staff responsibility

None

Budget responsibility

None

Location

Dorset Innovation Park, Winfrith

Employment status

Permanent

At Atlas Elektronik UK, we support our staff to create work-life balance and encourage applications from individuals who are looking for part time or condensed hours as well as full time opportunities.

Knowledge, skills and personal qualities required

You don't have to have specific maritime defence domain knowledge or experience. However, a keen interest in the topic is desirable. Required knowledge and skills include:

- Degree or PhD level physics, mathematics or related degree, supported by relevant experience in academia, government or industry
- Use of scientific computational software such as Matlab or Python

Demonstrated expertise in one or more of the areas listed below:

- Signal processing, image analysis, automated detection processing
- Statistical modelling, data science, machine learning and data visualisation
- Modelling signatures of naval platforms
- Naval platform design aspects
- Numerical simulation of complex phenomena and computational fluid dynamics
- Remote sensing and numerical simulation of ocean processes
- Laboratory experiments

Behavioural requirements

- Highly self-motivated, innovative thinker, with determination to succeed
- Thorough and conscientious
- Flexible and adaptable
- Keen and quick to obtain, develop, extend and apply skills and knowledge
- Identifies opportunities and understands how expertise can be more widely applied

... a sound decision

Challenges

- Working collaboratively with specialists from a variety of disciplines
- Working with stakeholders from across the business to support development and delivery of customer solutions
- Communicating technical findings and concepts to a range of expert and non-expert stakeholders within AEUK and the customer community
- Assimilating output from technical analysis to form clear and coherent advice to inform stakeholders and key decision makers
- Providing technical leadership on multi-disciplinary research projects
- Actively supporting the professional development of junior staff members' accountabilities

Key accountabilities may include

- Leading and delivering programmes against Work Package Agreements to time, cost and high quality
- Supporting bid responses from within the research team
- Working with technical experts and AEUK stakeholders to deliver projects, identify opportunities and win new work
- Building relationships with customers and stakeholders

More information

This role will require full UK security clearance and you should have resided in the UK for the past 5 years. For some roles Developed Vetting will also be required, in this case you should have resided in the UK for the past 10 years.

How to apply

Please forward your CV and a covering letter explaining why you are suitable for the post to Recruitment@uk.atlas-elektronik.com by the closing date and state the job title in the subject line.

Due to the nature of our work and the projects you will be working on, all candidates must be eligible to gain security clearance. ATLAS ELEKTRONIK UK Ltd is an Equal Opportunities employer and welcomes applications for all posts from suitably qualified people regardless of age, disability, ethnicity, gender, marital status, sexual orientation, religion or belief.

Only successful applicants will be contacted.

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