

# Job Opportunity

## Senior Research Scientist

### Purpose of job

Senior research scientist to support and lead R&D programmes within AEUK's Research and Innovation Division.

### Scope

AEUK's Research and Innovation Division is an agile team engaged in innovative 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.

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; or even working onboard naval platforms setting to work equipment and training ships staff.

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

### Location

Dorset Innovation Park, Winfrith

### Employment status

Permanent, full time (37 hours/ week)

### Key accountabilities

The successful applicant would be expected to have experience within at least one of the following domains and an ability to lead research projects crossing them all:

- 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

### 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
- Demonstrated expertise in one or more of the areas listed above
- Use of scientific computational software such as Matlab or Python

... 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

## 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

## How to apply

Please forward your CV and a covering letter explaining why you are suitable for the post to [aeukrecruitment@morson.com](mailto:aeukrecruitment@morson.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.

### ATLAS ELEKTRONIK UK Ltd

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