Job Description

Job title	Research Associate
Department/School	Mathematical Sciences
Job family	Education and Research
Grade	7
Reporting to	Dr Euan Spence (PI)
Responsible for	This role involves no management of other staff
Location	University of Bath premises

Background and context
This post is one of two Research Associate positions associated with the EPSRC-funded project “At the interface between semiclassical analysis and numerical analysis of wave propagation problems”. This position is in the *analysis* of wave propagation (the other will be in the *numerical analysis*).

Job purpose
To provide subject-specific research expertise and undertake specific research work to the EPSRC-funded project “At the interface between semiclassical analysis and numerical analysis of wave propagation problems”

Main duties and responsibilities	
	Responsible to the PI/CI for:
1	Conducting individual and/or collaborative research projects.
2	Writing up results of research and contributing to publishing of results in high-quality peer-reviewed academic literature.

3	Project management: e.g. timetabling and meeting project milestones; participating in regular discussions with collaborative partners.
4	Disseminating the results of project by presentations at workshops and conferences.
5	Participating regularly in group meetings and prepare and deliver presentations to project team, internal and external stakeholders or funders.
6	Continually updating knowledge and understanding in field or specialism to inform research activity.
7	Developing research objectives and proposals for own or joint research, with assistance of a mentor if required.

Person Specification

Criteria	Essential	Desirable
Qualifications		
A PhD degree in subject area of direct relevance for the project, or an equivalent professional qualification (and significant relevant experience where applicable).	√	
Experience/Knowledge		
Post doctoral experience		√
Demonstrated significant depth and breadth of specialist knowledge of subject matter to contribute to research programmes.	√	
Experience in the fields of semiclassical analysis and/or microlocal analysis.		√
Demonstrated awareness of latest developments in the field of research		√
Demonstrated potential to publish in high quality, peer reviewed journals	√	
Skills		
Ability to conduct individual research work and to disseminate results	√	
Ability to organise and prioritise own workload	√	
Ability to write research reports and to effectively disseminate outcomes	√	
Excellent oral, interpersonal and written communication skills	√	
Attributes		
Innovation and developing creative solutions	√	
Enthusiasm and self-motivation.	√	
Organisation – able to plan and deliver work to meet required deadlines	√	
Tenacity – working to achieve own and team objectives and to overcome obstacles	√	
Ability to be an effective team worker	√	
Willingness to participate in a project involving researchers from different areas of mathematics		√