UNIVERSITY OF WARWICK

Job Description

Job title	Research Fellow x2 (one for 3 years, the other for 2 years)
Department	Mathematics Institute
Grade	FA6

Job purpose (a brief summary of the role)	Work with Prof. James Sprittles and collaborators on the *EPSRC Open Fellowship* entitled "*From Nanofilms to Clouds: A Modelling Approach to Drop Collisions and their Collective Behaviour*."
Duties and responsibilities	Engage with and enhance the research environment within the department, and further its world-leading reputation by performing individual and collaborative research that is internationally excellent. 1. Contribute to delivering the research objectives outlined in Prof. James Sprittles' *EPSRC Open Fellowship* entitled "*From Nanofilms to Clouds: A Modelling Approach to Drop Collisions and their Collective Behaviour*". 2. Publish research outcomes in appropriate journals and disseminate the work via conferences, seminars, and research visits to our academic and non-academic partners. 3. Work collaboratively with other group members, and wider academic collaborators. 4. To participate in relevant professional activities, such as (but not limited to) departmental research seminars. 5. To participate in the organisation of research workshops and other events. 6. Participate in public engagement events (during normal working hours). 7. Undertake some very limited teaching activities, such as being a teaching assistant for an advanced (graduate-level) module. The duties and responsibilities outlined are not intended to be an exhaustive list but provide guidance on the main aspects of the job. The postholder will be required to be flexible in their duties.

Person Specification

The Person Specification focuses on the essential and desirable knowledge, skills, experience and qualifications required to undertake the role effectively. This is measured by (a) Application Form, (b) Test/Exercise, (c) Interview, (d) Presentation.

Essential Criterion No.	Essential Criterion Description	Measured by
E1	PhD or equivalent with a mathematical modelling component.	A & C
E2	Research expertise in the modeling and/or simulation of fluid flow.	A & C
E3	Ability to initiate, develop and deliver high quality research and to publish in peer reviewed journals.	A & C
E4	Evidence of quality research output from experienced candidates or strong research potential from less experienced candidates.	A & C
E5	Good effective communication (oral and written) skills, presentation and training skills.	A & C
E6	Ability to work independently and as part of a team on research programmes.	A & C