

**ABOUT LOUGHBOROUGH UNIVERSITY**

**Mathematical Sciences**

**RESEARCH ASSOCIATE**

**JOB REF: REQ15163**

**March 2015**

**As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.**

**JOB DESCRIPTION**

**Job Grade:** Research Grade 6

**Job Purpose**

Conduct research under the direction of the principal investigator (PI) Dr. Claudia Garetto on the EPSRC funded project "Hyperbolic systems with multiplicities". The focus of the project will be to prove well-posedness results for hyperbolic systems with multiplicities and/or singular coefficients.

**Job Duties**

**Research**

1. To conduct research on the project described above. This will involve a combination of individual work, and collaborative work with others under the supervision of the PI.
2. To meet regularly with the PI, to discuss the progress of the project, and to report the findings of research undertaken individually.
3. To prepare journal publications of results arising from the project.
4. To take part in relevant research related activities within the Department of Mathematical Sciences. This may include both taking part and delivering research seminars, and to participate in relevant Working Groups that may be set up during the course of the project.
5. To participate in appropriate international conferences and, to contribute to the dissemination strategy of the project, present research findings. This may include giving a talk, presenting a poster, as well as holding discussions with other conference participants

## **Other**

All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy & Procedures.

All staff should hold a duty and commitment to observing the University's Equality & Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equality & Diversity legislation and University policies/procedures.

## PERSON SPECIFICATION

**JOB TITLE:** Research Associate

**JOB GRADE:** Research Grade 6

	Essential	Desirable	Stage to be assessed
Experience	Experience of conducting research in Mathematical Analysis.	Experience of conducting research in hyperbolic equations and systems.	1,3
		Experience of publishing research outcomes.	1,3
Skills and Abilities	Oral communication skills sufficient to be able to address large audiences clearly and effectively.		3
	Ability to carry out high-level rigorous mathematical research.		1,3
	Competence in IT skills.		1,3
	Ability to work individually and to collaborate with others.		1,3
Training	A willingness to undertake further training as appropriate and to adopt new procedures as and when required.		3
Qualifications	A Ph.D. in Mathematics		1

Equality & Diversity	Evidence a good working knowledge of equal opportunities and understanding of diversity in the workplace		1,3
Other	Commitment to the dissemination of scientific results		3

### Stages in assessment:

- 1= application form at short listing,  
2= selection test – i.e. presentation, in-tray exercise, data analysis  
3= interview

### Conditions of Service

The appointment will be on a full time, fixed term contract for 15 months. Salary will be on Research Grade 6, £29,552 per annum (spinal point 28).

The appointment will be subject to the University's normal Terms and Conditions of Employment for **Academic and Related** staff, details of which can be found at:

[http://www.lboro.ac.uk/media/wwwlboroacuk/content/humanresources/downloads/acadrelatedcos\\_v1.pdf](http://www.lboro.ac.uk/media/wwwlboroacuk/content/humanresources/downloads/acadrelatedcos_v1.pdf)

### Informal Enquiries

Informal enquiries should be made to Claudia Garetto by email at [c.garetto@lboro.ac.uk](mailto:c.garetto@lboro.ac.uk).

We have a commitment to gender equality and support the Athena SWAN charter. We encourage women to apply for this position as they are under-represented. All appointments will be made on merit.

### Application

The closing date for receipt of applications is 24 April 2015.