AKATECH

Instructor

Ecole/Institution/Société:
Durham University, **United Kingdom / Durham**

Discipline:
Computational Mathematics

Type d'emploi::
Full-time

Date de publication:
2025-02-20

Personne à contacter:
If you wish to apply for this position, please specify that you saw it on AKATECH.tech

Postdoctoral Research Associate, Computer Science, Mathematics

Employer: DURHAM UNIVERSITY

Location: Durham, United Kingdom

Salary: £37,999 - £40,247 per annum

The Role

This position is funded by EPSRC New Investigator Award: "Distributed Lov sz Local Lemma", principal investigator Dr. Peter Davies-Peck. The successful applicant will conduct research into algorithms for the Lov sz Local Lemma and related problems in distributed and parallel models. Research will primarily be conducted in collaboration with Dr. Davies-Peck, but successful applicants will also be encouraged to collaborate with other departmental staff and to pursue their own research ideas.

Key responsibilities:

- To understand and convey material of a specialist or highly technical nature to the team or group of people through presentations and discussions that leads to the presentation of research papers in conferences and publications.
- To prepare and deliver presentations on research outputs/activities to audiences which may include: research sponsors, academic and non-academic audiences.
- To publish high quality outputs, including papers for submission to peer reviewed conferences and/or journals under the direction of the Principal Investigator or Grant-holder.
- To assist with the development of research objectives and proposals.
- To conduct individual and collaborative research projects under the direction of the Principal Investigator or Grant-holder.
- To work with the Principal Investigator or Grant-holder and other colleagues in the research group, as appropriate, to identify areas for research, develop new research methods and extend the research portfolio.
- To deal with problems that may affect the achievement of research objectives and deadlines by discussing with the Principal Investigator or Grant-holder and offering creative or innovative solutions.
- To liaise with research colleagues and make internal and external contacts to develop knowledge and understanding to form relationships for future research collaboration.

- To plan and manage own research activity, research resources in collaboration with others and contribute to the planning of research projects.
- To deliver training in research techniques/approaches to peers, visitors and students as appropriate.
- To be involved in student supervision, as appropriate, and assist with the assessment of the knowledge of students.
- To contribute to fostering a collegial and respectful working environment which is inclusive and welcoming and where everyone is treated fairly with dignity and respect.
- To engage in wider citizenship to support the department and wider discipline.
- To engage in continuing professional development by participation in the undergraduate or postgraduate teaching programmes or by membership of departmental committees, etc. and by attending relevant training and development courses.

The post-holder is employed to work on research/a research project which will be led by another colleague. Whilst this means that the post-holder will not be carrying out independent research in his/her own right, the expectation is that they will contribute to the advancement of the project, through the development of their own research ideas/adaptation and development of research protocols.

Personne à contacter:
If you wish to apply for this position, please specify that you saw it on AKATECH.tech