

**Senior Research Assistant (Ref: 2500314)**  
**Department of Mathematics and Information Technology**

**Project Title: Vanishing viscosity solutions to a family of active vector equations for modelling magnetic relaxation**

**[Appointment Period: around 7 months]**

We are seeking a high caliber candidate to help us study a general class of non-linear partial differential equations known as active vector equations. The appointee will be responsible for analyzing the mathematical properties of active vector equations and their physical applications. He/she will assist in addressing a general class of inviscid active vector equations with vanishing viscosities, with emphases on (i) local/global-in-time well-posedness and convergence of solutions, and (ii) occurrence of magnetic relaxation. He/she will also assist in performing other duties as assigned by the project leader. The appointment will be for a period of around 7 months, with the possibility of renewal subject to mutual agreement.

Applicants should have a Master's Degree in Applied Mathematics or Pure Mathematics plus one year's post-Master's degree full-time working experience, or a doctorate in the abovementioned disciplines. Applicants should have solid knowledge of analytical techniques used in partial differential equations. They should also be attentive to details, well-organized and self-motivated. Immediate availability is preferred.

For further enquiries about the post, please contact Dr. Suen Chun Kit Anthony at [acksuen@eduhk.hk](mailto:acksuen@eduhk.hk).

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Salary will be commensurate with qualifications and experience.

Initial appointment will be made on a fixed-term contract. Fringe benefits include contract-end gratuity, leave, medical and dental benefits.

The University only accepts and considers applications submitted online for this post. Applicants should complete the [online application form](#) and upload a full CV on or before **4 April 2024**. Applications which are incomplete or without the required documents may not be considered. Personal data provided by applicants will be used for recruitment and other employment-related purposes. For details of the Personal Information Collection Statement, please refer to <http://www.eduhk.hk/jobsopp/index.php?glang=en>.

All applications will be treated in strict confidence. Only those who are shortlisted will be contacted. The University reserves the right not to fill the position(s) advertised. Since the incumbent's work would involve contacts with persons aged under 18 and/or mentally incapacitated persons, prospective employee(s) will be required to undergo Sexual Conviction Record Check operated by the Hong Kong Police Force.

Further information about the University is available at <http://www.eduhk.hk>.

**EdUHK is an Equal Opportunities Employer.**