

ZZ007544 - Senior Research Associate

Faculty of Technology
School of Mathematics & Physics

Senior Research Associate: Geometric Aspects of Complex Differential Equations**Employment type: Fixed-term (2 years, ending by 31 August 2024)****Employment basis: Full-time****Salary: £31,406 - £35,326 per annum****Post number: ZZ007544****Date published: 23 May 2022****Closing date: 19 June 2022****Interview date: 29 June 2022**

The University of Portsmouth is an ambitious institution with a track record of success. One of only four universities in the south east of England to achieve a Gold rating in the Teaching Excellence Framework and ranked in the top 150 in the Times Higher Young University World Rankings.

Applications are invited for the position of a senior research associate to work on the UKRI / EPSRC funded project EP/W012251/1: Geometric Aspects of Complex Differential Equations (GACDE), under a New Investigator Award held by Dr Thomas Kecker at the University of Portsmouth. GACDE is a project on the interface of complex differential equations and complex (algebraic) geometry to make advances towards the classification of differential equations in the complex plane via their so-called spaces of initial conditions. The project will involve analytic work as well as computational aspects using CAS.

The post holder will work closely with the PI and other, external, collaborators on this project, as well as potential PhD students. The main duty is to perform vigorous research under the direction of the PI and independently, bring in own ideas, and publish the results together with the team.

We are looking for a highly-motivated individual with a PhD in Mathematics or a related subject (thesis submitted at the time of application), ideally with a background in complex differential equations, complex analysis, complex geometry, or a combination of these. The applicant should show motivation for independent work, and the ability to work with other academic collaborators. Applicants should also be able to perform effectively under pressure and time constraints, possess good organisational and time management skills, pay close attention to detail, and have excellent interpersonal skills. A willingness to travel to national and international conferences to present research outputs is required.

To apply, please include a motivation statement and a list of publications in your CV. As part of the interview process, you will be required to give a short (10 minute) presentation on a (mathematical) project that you have been working on in the past.

The University of Portsmouth is committed to building a culturally diverse environment and strongly encourages applications from women and people from under-represented groups.

Informal enquiries can be addressed to Dr Thomas Kecker (thomas.kecker@port.ac.uk).

The University of Portsmouth believes this role **is eligible** for sponsorship with UKVI under the Skilled Worker Route visa, and meets the minimum salary requirements to obtain the minimum points requirement.

We are strongly dedicated to embedding equality, diversity and inclusion (EDI) within our community. As an [Athena SWAN](#) and [Race Equality Charter](#) award holder, a member of [Stonewall](#) and a [Disability Confident Employer](#) we are passionate about creating a welcoming and inclusive environment, regardless of your background. We welcome applications from all talented people. In addition, we want our workforce to be representative of our diverse student population. Please see our [EDI Framework and objectives](#).

For more about us: [Working at Portsmouth](#) and our [benefits](#)

For detailed information about the vacancy: [ZZ007544 - Senior Research Associate.docx](#)