

**JOB DESCRIPTION**

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| **Job Title:** Professor of Mathematical AI | **Present Grade:** Professorial |
| **Department/College:** School of Mathematical Sciences |
| **Directly responsible to:** Head of School and Head of MARS |
| **Supervisory responsibility for:** Postgraduate students, research associates and academic staff |
| **Other contacts****Internal:** Students, academic and non-academic staff within the University. **External:** Academic and industrial collaborators, research funding bodies, governmental and non-government organisations, learned societies. |
| **Major Duties:** To contribute to the School’s research profile by* providing research leadership;
* frequently publishing leading mathematics research in top international mathematical sciences and application-domain journals and conferences;
* disseminating research at international conferences;
* securing substantial external research funding;
* supporting the discipline of mathematical sciences nationally and internationally.

To contribute to the School’s management and administration by:* managing and developing colleagues in the School;
* leading aspects of the School’s activities;
* representing the School in wider university activities.

To contribute to the School’s teaching commitments by:* leading teaching initiatives and curriculum development;
* teaching on undergraduate, postgraduate and external training programmes, as appropriate;
* supervising MSc dissertations and undergraduate projects.

To contribute to the activities of MARS by:* mentoring and supporting colleagues in MARS;
* supervising PhD students and research associates;
* instigating and developing research collaborations beyond the mathematical sciences;
* engaging with industry and government partners;
* leading key promotional and outreach activities.

Citizenship expectations of the role holder in terms of their engagement with students, staff, partners and sponsors:* to be collegiate and participate in committees within the School and the University as appropriate and be willing to take on leadership and management roles appropriate to seniority;
* to participate in and if required manage staff seminars, interdisciplinary activities and recruitment events, such as visit days, staff recruitment; outreach and community engagement;
* mentor others in research, teaching and securing research funding;
* promote equality of opportunity, diversity and inclusion;
* to take responsibility for various administrative duties as requested by the Head of School and Faculty Dean;
* to behave in a manner in line with the University’s stated values.
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