

**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. | |