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Mathematical, Physical & Life Sciences Division

## PROFESSORSHIP OF MATERIALS ENGINEERING

### Department of Engineering Science in association with St Anne's College

The University of Oxford intends to appoint to the Professorship of Materials Engineering. A non-stipendiary Professorial Fellowship with St Anne's College is attached to this Professorship.

This appointment is a key part of the strategic plan of the Department and the University, to strengthen research and teaching in Materials Engineering and Solid Mechanics within our wider portfolio in Engineering Science. You will be expected to embrace the opportunity to shape the direction of Materials Engineering at Oxford and to pursue a research programme at the forefront of the subject, providing research leadership to colleagues working in this field.

Applications are welcome from individuals with research interests in any relevant area of Materials Engineering and its crossovers with adjacent fields. Current strengths in our Solid Mechanics and Materials Engineering Group include fatigue and fracture, impact and shock, micromechanics and computational modelling, with relevance to a wide range of materials (metals, polymers, ceramics, composites and biomaterials) and applications (e.g. aerospace, energy, defence). Developing interests include multiphysics and multidisciplinary aspects, bridging materials science, mathematics, medicine, physics, chemistry, and biology, with a focus on the mechanics of materials and emphasis on bespoke integration of experimentation and modelling. While applications in these areas are welcome, we seek the candidate best able to support and develop the group's interests, widely interpreted.

You should possess an outstanding research and publication record, with internationally-recognised stature in the discipline. You will have the vision, leadership and ability to manage a substantial research team, including a record of securing grant funding, and a readiness to contribute to the development and management of the Department of Engineering Science. You should have an excellent record of teaching and graduate supervision, and the ability to guide and motivate junior colleagues.

A job description, containing full details of the application procedure and duties, may be obtained from the Department's website: <https://eng.ox.ac.uk/jobs/>. The closing date for applications is **12:00 UK time on Monday 18 September 2023**. Interviews are expected to be held in **November 2023**.

For queries about the post that are not answered in the job description, please contact the Head of Department on [head@eng.ox.ac.uk](mailto:head@eng.ox.ac.uk) or telephone: +44 (0) 1865 273003.

Applications are particularly welcome from women and black and minority ethnic candidates who are under-represented in academic posts in Oxford. The Department is committed to equality and valuing diversity and holds an Athena Swan Bronze award, highlighting its commitment to promoting gender equality in academia. The University is a Living Wage Employer, holds an Athena Swan Bronze Award, HR Excellence in Research and a Race Equality Charter Bronze Award and is a Stonewall Diversity Champion. Our staff and students come from all over the world and we seek to create a friendly and inclusive culture. Diversity is positively encouraged, through our EDI Committee, working groups and networks, for example [eng.ox.ac.uk/women-in-engineering](https://eng.ox.ac.uk/women-in-engineering), as well as a number of [family friendly policies](#).