

JOB DESCRIPTION
Professor in Electrical Engineering

Vacancy Ref: A2429

Job Title: Professor in Electrical Engineering	Grade: Professorial
Department Engineering	
Directly responsible to: Prof Claudio Paoloni (Head of Engineering Department)	
Supervisory responsibility for: Postgraduate students and research associates, potentially also for academic, technical, administrative and other staff	
<p>Other contacts</p> <p>Internal: All academics, professional staff and students within Engineering and Faculty of Science of Technology University professional services (energy manager and electrical engineer).</p> <p>External Contacts: Industry partners, including the Electrical Supply Industry, manufacturers and users; Government Departments, principally Energy Systems Catapult, BEIS and Ofgem; Professional bodies, such as the IET, and funding bodies. Research Councils, especially the EPSRC and academics in other universities. Potential students and their parents, nationally/internationally prestigious research collaborations/institutions</p>	
<p>Major Duties: To carry out high quality research in fields of Electrical Engineering at Lancaster, at national and international level, in particular Power System Engineering with the potential to shape/change the direction of the field. To work within and across disciplinary boundaries to tackle major Electrical Engineering research challenges. To generate research income and lead a group of researchers. To work with national and international partners to develop research of truly global impact. To contribute to the planning and delivery of innovative and stimulating teaching.</p> <p>Specific duties:</p> <ol style="list-style-type: none"> 1. To lead the research in Electrical Engineering, with focus in Power Systems and their applications, at national and international level. 2. To be an international expert for research, teaching, scholarship, public engagement and debate on electrical engineering, and its role and applications in the industrial sector throughout the world. 3. Pursue a high-profile personal research agenda aligned with the Research Excellence Framework criteria, leading to outputs/publications in appropriate forms of research output and impact. 4. Contribute significantly to the life and continued success of the Department, including assisting with implementation of Engineering's expansion plan. 5. Attract external research income, from both public and private sources, to conduct research on key topics in Electrical Engineering, in particular with focus in Power Systems. 6. Mentoring and supervision of early career researchers and PhD students 7. To lead and inspire researchers and research students in Electrical Engineering. 8. Taking roles in the senior management of the Department 	

9. To complement and contribute to existing programmes at undergraduate and postgraduate level in relevant areas of Electrical Engineering, taking into account the influence of policy and current trends in, for example, industrial applications of power systems. To take an active part in the delivery and strategic direction of such courses.
10. Administration of teaching and research according to the department strategy
11. To maximise the impact of Engineering in Electrical Engineering research, development and application, and to complement and enhance related activities in the Department.
12. To promote Equality, Diversity and Inclusion, and be committed to your own continuing professional development.
13. To contribute to the wider objectives of the Engineering Department at the discretion of the Head of Department.