

Academically Advanced Socially Progressive

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Professor of Intelligent Power Systems

Department

Electronic and Electrical Engineering
(www.strath.ac.uk/engineering/electricelectricalengineering/)

Faculty

Faculty of Engineering (www.strath.ac.uk/engineering/)

Staff Category

Academic

Reports To

Director of Institute for Energy and Environment

Grade

Professorial

Salary Range

Salary commensurate with experience and standing

Contract Type

Open Contract

Working Arrangements

Hybrid. The standard requirement across the University is that at least three days per week (based on IFTE) will be spent working on-site (with flexibility as appropriate).

Work Location

Glasgow, UK



Job Advert

Prestigious Global Talent Fund Opportunity

The University of Strathclyde has been awarded significant funding by UK Research and Innovation's Global Talent Fund to recruit leading international researchers in areas of national and global strategic importance. As one of only 12 UK institutions to secure this highly prestigious investment, Strathclyde is uniquely positioned to accelerate its world-class strengths at the intersection of research excellence, industry collaboration and societal impact.

The University has an established track record of excellence in power and energy research, innovation and demonstration, attracting recognition including two Queens Anniversary Prizes, operating multiple national EPSRC Centres for Doctoral Training, and establishing industry facing innovation centres PNDC and ANZIC. Central to that has been the Institute for Energy and Environment (InstEE), a research institute of over 200 team members operating from the Department of Electronic and Electrical Engineering within the Faculty of Engineering and collaborating across multiple disciplines. Throughout its development, InstEE has continuously innovated in modes of working with industry, government/public agencies, and international partners, in establishing multiple industry partnerships and spin-outs, and in accelerating key themes of research. The Faculty now requires a senior appointment to lead the development of a strategy for the next phase of power and energy research fit for the next stage of sectoral decarbonisation, encompassing new modes of academic/industrial collaboration, and harnessing the potential of new AI tools.

The Professor is an experienced Academic leader with a track record of forming and leading major research initiatives with the power sector, and an international reputation for research excellence in applied AI for power systems. Experienced in shaping strategies and securing stakeholder buy-in in multiple national contexts, you will be able to demonstrate success in leading the shaping of academic teams and programmes at scale. You will have a clear understanding of power systems operations and resilience, the operational challenges of IBR dominated grids, and pathways by which AI can be usefully and reliably deployed.

The successful candidate will lead the formation of a vision and strategy for research excellence that will inform, lead and support the next phase of transition in the energy sector towards net zero targets. This will build on established partnerships and emerging opportunities and be realised through strong working relationships with University research leaders and senior officers, innovation centre directors, and strategic partners. The successful candidate will be able to demonstrate how they have led similar exercises in the past resulting in sustained success. A clear understanding of energy sector trends and challenges both internationally and in the UK will be evident, and with a proven ability to translate industrial challenges into structured research programmes you will be able to demonstrate methodologies for the formation of appropriate strategies for impactful research partnerships for the next decade.

The Professor will report to the Director of InstEE with regular engagement with senior institute academics, and with regular cross University reporting and engagement with the Dean of Engineering. Throughout, the approach adopted will be in accordance with Strathclyde's values. With excellent leadership and team working skills, you will work closely with academic team and innovation centre leaders to ensure collegiate and collaborative approaches are formed and team members encouraged and supported.

To be considered for this role you will have a PhD in a relevant engineering/science discipline with substantial experience of academic and industrial programme leadership. You will have an established international reputation for AI in power systems with an outstanding track record of industrial impact and academic institution value.

Job Description

Brief Outline of Job:

To lead the development of a strategy for the next phase of power and energy research fit for the next stage of sectoral decarbonisation, encompassing new modes of academic/industrial collaboration, facilitating new interdisciplinary collaborations for breakthrough sustainability research, and harnessing the potential of new AI tools. Support the realisation and implementation of this new strategy through close collaboration with leadership teams in InstEE and complementary disciplines, innovation centres, and Faculty, together with key strategic partners. Create internationally significant research programmes and activities, drawing on an extensive international network. Complement other sustainability initiatives under way at Strathclyde.

Main Activities/Responsibilities:

- In collaboration with internal and external stakeholders develop a strategy for the next phase of power and energy research, incorporating new means of collaborating with cross-Faculty and cross-University interdisciplinary teams, and thus foster effective thought leadership and research value in the sustainability and net zero domain.
- Form new practices to foster the nurturing of new areas of disruptive research and innovation that support an ambition for significant impact and commercialisation in the next phase of transition across the energy sector. Form an action plan to address barriers to collaboration across interdisciplinary teams.
- Shape new operational strategies for stimulating and supporting thriving academic teams, empowering early career researchers to fulfil their full potential, and securing and training leading cohorts of PhDs in sustainability research.
- Develop and submit collaborative funding proposals for public and private funding at a scale that gears the Strathclyde ecosystem and complements academic research agendas and stakeholder strategies.
- In collaboration with existing teams, build strategies for the research, development, and validation of AI-enabled power systems operations. Engage across strategic Strathclyde industry partnerships to launch programmes of collaborative activities of national significance.
- Build networks and establish routes and means by which technology, innovation and economics provide a leading platform for policy support.
- Explore innovative financial management approaches that enable effective investment and the creation and timely pursuit of emerging opportunities.
- Inform teaching programmes and teams from the sector developments and intelligent power systems technologies.

Person Specification

Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

	Essential/ Desirable	Assessment Method
E1 PhD in relevant engineering/science (Electrical, Physics) discipline with substantial experience in industrial engagement and academic excellence.	Essential	Application/CV
D1 Membership of relevant Chartered/professional bodies (for example the Higher Education Academy).	Desirable	Application/CV

Experience

E2 Experience in creating and leading electrical power systems research teams and building programmes of national significance.	Essential	App/CV/ Interview
E3 An established international reputation for intelligent power systems research, evidenced by an exemplary professional track record.	Essential	App/CV/ Interview

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E4	Experience in forming operational strategies for collaborative research in multiple national contexts, and building effective, sustained industry partnerships of scale.	Essential	App/CV/ Interview
E5	Demonstrable experience in leading applied AI projects within the power and energy sector, and driving impactful outcomes from such.	Essential	App/CV/ Interview

Job Related Skills and Achievements

E6	Leadership skills that have proven effective in different national contexts whereby funded research programmes of significant value with industry stakeholders have been formed and sustained.	Essential	App/CV/ Interview
E7	Proven ability to manage large programmes of applied AI and advanced power systems and deliver deployable industry impact.	Essential	App/CV/ Interview
E8	Established links at a strategic level with industry and relevant technology leaders	Essential	App/CV/ Interview
E9	Proven skills in interdisciplinary team formation with track record of nurturing and developing early career researchers.	Essential	App/CV/ Interview
E10	Familiar with executive team engagements and a history of forming and influencing deployable actions for change and improvement at institutional level.	Essential	App/CV/ Interview

Personal Attributes

E11	Excellent leadership, interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.	Essential	Interview
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Application Procedure

Applicants should visit Strathclyde's vacancies portal and complete an online application form including the name of three referees who will be contacted without further permission, unless you indicate you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job as well as a Research Plan outlining your research strategy for the next 5 years. Applicants should also complete the Equal Opportunities Monitoring Form.

University of Strathclyde encourages the recruitment of disabled and neurodivergent candidates. If you need any reasonable adjustments during the recruitment process, please let us know. You are welcome to submit a paper application or a CV instead of the online application form by contacting us at humanresources@strath.ac.uk.

Interviews

Formal interviews for this post are expected to be held in November 2025.

The University is a Disability Confident Employer and operates a guaranteed interview scheme for disabled candidates who meet all the essential criteria for the post that they are applying for.

Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforus>).

Informal enquiries about the post can be directed to Professor Graeme Burt (graeme.burt@strath.ac.uk).

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Conditions of Employment

Conditions of employment relating to the Academic staff category can be found at: [Conditions of Employment](#) and [Professorial Zoning](#).

Rewards and Benefits

Our comprehensive benefits package, including generous annual leave, family-friendly benefits, flexible work options, and a commitment to continuous learning, reflects our appreciation for the valuable contributions of our colleagues.

We understand that each staff member has unique priorities and lifestyles, so our diverse benefits ensure there is something for everyone, details of which can be found on our [Rewards and Benefits webpage](#).

- **Financial Rewards:** We provide attractive financial packages, including competitive salaries, relocation support for employees and a generous pension scheme, with university contributions of 14.5%.
- **Work-Life Balance:** We are dedicated to enhancing healthy work-life balance for our employees. We offer generous annual leave, an additional annual leave purchase option, flexible and agile work arrangements.
 - Annual Leave: Generous entitlement of 27 days (Grade 5 and below) or 31 days (Grade 6 and above), in addition to 11 public holidays and University closure days.
 - Additional annual leave purchase: Option to request purchase of 2 weeks' additional annual leave per year.
 - Flexible and agile working: The University provides flexible work arrangements. You can request arrangements that fit you and your role, such as hybrid, part-time, compressed hours, term-time, adjusted shifts, staggered hours. These requests can be made from the first day of your employment.
- **Family Friendly Benefits:** We offer a variety of enhanced family-friendly benefits to support our employees in balancing work and family responsibilities. These include Maternity Leave, Paternity/Maternity Support, Adoption Leave, Shared Parental Leave, Parental Leave, Carers Leave and support, Family Friendly Research & Scholarship Leave, and access to our on-campus nursery.
- **Career Development:** Our commitment to personal development is reflected in initiatives such as professional courses, subsidised educational programs, coaching and mentoring, leadership development, secondment opportunities, and access to our library.
- **Health & Wellbeing:** We place high importance on the safety, wellbeing, and health of all our staff and offer discounted Strathclyde Sport membership, an Employee Assistance Programme (EAP), Occupational Health Service, and Cycle to Work scheme.
- **Recognition Awards:** At Strathclyde, we place a strong emphasis on acknowledging and rewarding our staff's commitment and exceptional contributions. This is demonstrated through our Long-Service Awards and our Values-based Strathclyde Medals.

PVG Check

This position involves regulated work, making it a legislative requirement that the successful candidate becomes a member of the Protection of Vulnerable Groups Scheme. If appointed, employment with the University will not be confirmed until membership of the Scheme has been received. The successful applicant will be precluded from working with protected groups until that time.

Basic Disclosure

This role requires the satisfactory outcome of a Basic Disclosure Scotland Check. The successful applicant will be asked to carry out a Basic Disclosure Scotland Check (or where based overseas, a Criminal Records Check will be required - details [here](#)). Whether an outcome is satisfactory will be determined by the University.

Pre-Placement Health Screening

If you are offered a job with us, you'll be encouraged to let us know about any disability, medical condition, or neurodivergence you have by completing a confidential pre-placement health questionnaire. Completing the questionnaire is entirely voluntary but by doing so we can put in place the right support and make any reasonable adjustments before you start.

Probation

Where applicable, the successful applicant will be required to serve a 12 month probationary period.

Pension

The successful applicant will be eligible to join Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the [Relocation Policy](#).

Equality and Diversity

The University of Strathclyde is a socially progressive institution that strives to ensure equality of opportunity and celebrates the diversity of its student and staff community. Strathclyde is people-oriented and collaborative, offering a supportive and flexible working culture with a deep commitment to our [equality, diversity and inclusion charters, initiatives, groups and networks](#).

We strongly encourage applications from Black, Asian and minority ethnicity, women, LGBT+, disabled candidates and candidates from lower socio-economic groups and care-experienced backgrounds.

The University currently holds an Athena Swan **Silver award**, recognising our commitment to advancing women's careers in science, technology, engineering, maths and medicine (STEMM) employment in academia.

University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.

In delivering **our People Strategy**, we will contribute, act, and make decisions guided by these values.

- **People-oriented:** committed to our staff and students, providing opportunities, and investing in their development.

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- **Bold:** confident and challenging in what we do, and supportive of embracing appropriate and managed risk in our decision-making.
- **Innovative:** focused on discovering and applying knowledge with impact and encouraging creative thinking and new ideas.
- **Collaborative:** working together, with our colleagues and external partners, with integrity and in an open, respectful way.
- **Ambitious:** for our institution, staff and students as well as supporting the ambitions of our partners.



Proud to have signed
The Pregnancy
Loss Pledge

