



Job Title	Assistant Professor	Job Family and Level	Research and Teaching Level 5 Extended
Department	Electrical and Electronic Engineering	Location	University Park / Jubilee Campus

Purpose of Role

This role is a *Research and Teaching* role, where the general expectation is that the split between these activities is approximately equal (see also main responsibilities below).

Research: The role holder will undertake research (including the supervision of PhD students) in an area aligned with one or more of the Faculty of Engineering Research Groups, as listed below.

- Power Electronics, Machines and Control Research Group
www.nottingham.ac.uk/research/groups/pemc
- Optics and Photonics Research Group
www.nottingham.ac.uk/research/groups/optics-and-photonics-research-group
- George Green Institute for Electromagnetics Research
www.nottingham.ac.uk/research/groups/ggiemr

As part of the role, you will apply for, and strongly support colleagues applying for, external funding to enable the development of new and original research. You will be expected to disseminate your research in nationally and internationally recognised peer reviewed journals and through attendance at relevant meetings and conferences.

Teaching: The role holder will contribute to the preparation and delivery of both undergraduate and postgraduate courses within the Department of Electrical and Electronic Engineering, which will include lectures, tutorials, and the supervision of project work. More specifically, you will have both practical experience and knowledge across a breadth of electrical and electronic engineering topics and therefore the ability to teach a range of modules to 1st and 2nd year undergraduate students. You will also be able to contribute to the development and delivery of advanced (final year undergraduate and MSc) technical modules, aligned with your expertise. More details about modules in EEE can be found at www.nottingham.ac.uk/ugstudy/course/Electrical-and-Electronic-Engineering-MEng#yearsmodules.

	Main Responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% Time per year
1	<p><u>Deliver teaching, administration, and leadership roles to a high standard</u></p> <ul style="list-style-type: none"> ▪ Plan and deliver high quality teaching at undergraduate and postgraduate levels to enhance the faculty's reputation for excellence in teaching. 	<p>Typically, 40% – 60% (As part of an overall total that sums to 100%)</p>

	<ul style="list-style-type: none"> ▪ Supervise final year undergraduates and taught postgraduates conducting individual projects as well as group project activities across other year groups. ▪ Provide tutorials and pastoral care of students. ▪ Examine in the assessments for degrees and diplomas of the University. ▪ To be responsible for administrative duties as required in the leadership and operation of the Department. ▪ Deliver any other duties appropriate to the grade and role as required. 	
2	<p><u>Conduct highly successful research and knowledge exchange activities</u></p> <ul style="list-style-type: none"> ▪ Identify, conduct, and lead original research and knowledge exchange activities. ▪ Seek and secure external research funding through the development of applications to external funding bodies. ▪ Conduct and supervise others conducting original research, resulting in high quality publications in nationally and internationally recognised peer reviewed journals. ▪ Participate in meetings and conferences to disseminate research findings. ▪ Supervise postgraduate research students engaged in original research. ▪ To be responsible for administrative duties as required in the leadership and operation of research. 	<p>Typically, 40% – 60% (As part of an overall total that sums to 100%)</p>

Person Specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Clear fit and vision to develop funded interactions with one or more of the advertised Faculty of Engineering Research Groups. ▪ Possess a suitable educational background (or substantive postgraduate experience in lieu) to be able to teach students across our current range of 1st and 2nd year modules in the Department of EEE. ▪ Excellent communication skills, including the ability to communicate complex information with clarity. 	
Knowledge and Experience	<ul style="list-style-type: none"> ▪ Evidenced track record of postdoctoral research experience with high quality publications in peer reviewed journals. 	<ul style="list-style-type: none"> ▪ Experience of teaching in a Higher Education environment.

	<ul style="list-style-type: none"> ▪ Engineering experience, with a sufficient level and breadth, to be able to lead the delivery and design of masters level modules that are informed by your professional practice. 	<ul style="list-style-type: none"> ▪ Experience in the pastoral care of undergraduate students.
Qualifications, Certification and Training (relevant to role)	<ul style="list-style-type: none"> ▪ A PhD in Electrical and Electronic Engineering, Electrical Engineering, Electronic Engineering or a closely related subject area. 	



The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.



The University is a signatory of the Declaration on Research Assessment (DORA). As such we commit to focus on the scientific content of publications (where requested or provided as part of the recruitment and selection process) as a basis for review of quality, and consideration of value and impact of research conducted, rather than any proxy measures such as Journal Impact Factor.

Expectations and Behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University’s strategy, vision and values. The following are essential to the role:

- Valuing people** Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.
- Taking ownership** Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.
- Forward thinking** Driven to question the status quo and explore new ideas, supporting the team to “lead the way” in terms of know-how and learning.
- Professional pride** Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.
- Always inclusive** Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections.

Key Relationships with Others



