



Candidate Information

Position:	Lecturer/Senior Lecturer in Antennas and Propagation
School/Department:	School of Electronics, Electrical Engineering and Computer Science
Reference:	24/112064
Closing Date:	Friday 23 August 2024
Salary:	£43,605- £71,945 per annum
Anticipated Interview Date:	Week commencing 7 October 2024
Duration:	Permanent

JOB PURPOSE:

The School of Electronics, Electrical Engineering & Computer Science (EEECS) at Queen's University Belfast, is currently seeking to appoint a Lecturer/Senior Lecturer in Antennas and Propagation, developing and contributing to our ambitious research agenda and leading University-wide efforts to establish Queen's as an international leader in physical layer wireless research and its application to address global challenges. The post holder is expected to undertake world class innovation, mission-led research programmes complementing their research, along with contributing to excellent student experience via research led teaching and assessment. The post holder will also contribute to administration or outreach activities, specifically capitalising on the major opportunities available in this area by the recently announced UK Industrial Strategy, UKRI, many European and Global initiatives and ongoing investment in the area via Belfast Regional City Deal (BRCD).

MAJOR DUTIES:

Teaching:

1. To contribute to the design delivery and improvement of Antennas and Propagation / Wireless Communications content in the Electrical and Electronic Engineering curricula.
2. To contribute to the School's efforts to develop new teaching delivery methods, including but not limited to new blended learning and research-led teaching methods.
3. To undertake initiatives to improve the overall student experience, by new methods of assessment, feedback, and student engagement.
4. To supervise undergraduate and postgraduate taught students in practical and project-based work as appropriate to the relevant courses of study.
5. To contribute to student recruitment and student support mechanisms.

Research:

1. To lead and undertake a research programme in Antennas and Propagation, and contribute to secure substantial external funding and develop large, income-generating collaborative and interdisciplinary research activities.
2. To publish in peer-reviewed national or international journals and conferences in the field of Antennas and Propagation.
3. To engage in knowledge transfer and innovation activity and to deliver research impact.
4. Where appropriate to engage with regional and national Government initiatives in the space of Wireless Communications, notably the UK industrial strategy and UKRI initiatives.
5. To contribute to the strategic growth and mission of school and research institutes.
6. To engage, mentor and develop postgraduate or post-doctoral researchers.

Administration/Contribution to the Community:

1. To contribute to the outreach and internationalisation activities of the School of Electronics, Electrical Engineering and Computer Science (EEECS) at Queen's University Belfast by developing external links.
2. To carry out designated administrative duties including, for example, committee work, working group leadership or course administration.
3. To participate in and support the Personal Development Review (PDR) process.

ESSENTIAL CRITERIA:

1. A PhD in Electronic Engineering, Electrical Engineering, Physics or similar discipline.
2. A strong record of research quality, commensurate with career stage in Antennas and Propagation. Candidates will be considered where their core expertise lies in either antennas, propagation or across both. To include expertise in at least one of the following areas: antennas, antenna theory, antenna measurements, propagation modelling, propagation measurements, multiple antenna systems.
3. Expertise of working on one or more of the following application areas: mobile communications, space/satellite communications, vehicular communications, defence, wearables.
4. High quality publication of excellent research outputs in Antennas and Propagation.
5. Independent contribution in research projects and outputs and potential to establish an independent sustainable research program.
6. Contribution to national and international collaborations.
7. At Senior Lecturer level evidence of: Contribution of research income generation.
8. At Senior Lecturer level evidence of: Successful supervision/mentoring of PhD students and/or Research staff.
9. Evidence of teaching experience including but not limited to undergraduate and postgraduate level teaching, assessment and/or industrial training activities.
10. At Senior Lecturer level evidence of: Acting in a leadership role regarding teaching activities (for example, acting as a module coordinator/lead).
11. Ability to contribute to School or University administrative tasks and to engage in activities that are of service to the wider discipline.
12. Ability to contribute to community/outreach, public engagement, or impact-related activities.
13. At Senior Lecturer level evidence of: Successful contribution to administration and service to the discipline.
14. Ability to effectively communicate (in English) complex information to a variety of audiences.
15. A commitment to creating an inclusive and supportive academic environment enhancing equality, diversity, and supporting early career academics.
16. Ability to work in a team to deliver high quality teaching and research.

DESIRABLE CRITERIA:

1. Completed a Postgraduate Certificate in Higher Education Teaching (or equivalent) qualification.
2. Successful coordination of major research consortia based in the UK, EU, or internationally.
3. Significant research measures of esteem in relevant areas depending on academic position.
4. Successful enhancement or creation of undergraduate or postgraduate programmes in Antennas and Propagation / Wireless Communications.
5. Experience of participation in Government / Industry advisory groups, funding panels.
6. Membership or Senior Membership of learned societies such as IEEE or IET.