



ADVANCEC**RT**

The Science Foundation Ireland Centre for Research Training in Advanced Networks for Sustainable Societies

We are now recruiting our **fifth cohort of talented and enthusiastic PhD researchers** to start in September/October 2023 across our partner sites University College Cork, Munster Technological University, Maynooth University, Technological University Dublin and Trinity College Dublin.

The SFI Centre for Research Training in Advanced Networks for Sustainable Societies focuses on enabling technologies for future hyper-networks, including concepts such as network virtualization, dependable communications, Internet of Things, data-driven network management and applications in sustainable and independent living. This centre will train the next generation of researchers who will seek solutions to the technical and societal challenges of global hyper-connectivity.

Vision

"... train the next generation of doctoral graduates at the interface of technologies and social sciences, graduates who can stimulate socially-responsible and inclusive creativity and innovation in the fields of advanced communications. We aim to ensure that the next generations of communications technology are developed with human and societal benefit as a priority objective."

Funding

Accepted PhD researchers will receive a stipend of €18,500 (tax-free) and a tuition fee contribution of €5,500 per annum for up to 4 years. Additional funding is available to support training, equipment, materials, travel expenses and other costs associated with research.

Further information on ADVANCE supervisors and potential projects students may apply for can be found on our webpage: <https://www.advance-crt.ie/apply>

Application Process

Please read carefully the [ADVANCE CRT – 2023 Recruitment Call Booklet](#) to understand the application process and the requirements for the applicants.

Interested candidates can apply through the application link below:

- [ADVANCE CRT Application Form](#)

The deadline for applications is the 10th April 2023.

Eligibility criteria

We invite applications from individuals who hold **at least a 2.1 honours undergraduate degree** in Computer Science, Computer Engineering, Electrical and Electronic Engineering. Other qualifications in disciplines related to the research area will also be considered.

Non-native English speakers are required to hold a valid IELTS certificate demonstrating at least a score of 6.5 overall with a score of not less than 6 in all parts. Please note that in relevant cases, an offer will not be made until proof of an applicant's English proficiency has been provided. If applicants have a degree from a university in an English-speaking country, they will be exempt from the English language requirement. Alternatives to providing **evidence of English language proficiency**:

- UCC: <https://www.ucc.ie/en/study/comparison/english/postgraduate/>
- MTU: <https://international.cit.ie/english-language-requirements>
- TCD: <https://www.tcd.ie/study/international/how-to-apply/entry-requirements.php>
- MU: <https://www.maynoothuniversity.ie/international/prospective-full-degree-students>
- TUD: <https://www.tudublin.ie/study/international-students/entry-requirements/english-language-requirements/>

Supervisors & Documentation

It is strongly recommended to contact potential supervisors before you submit your application. Further information on ADVANCE CRT supervisors interested in taking upon new PhD researchers can be found in [ADVANCE CRT – 2023 Recruitment Call Booklet](#) .

Alongside the completed application form, candidates will be asked to provide the following:

- Primary and highest **degree(s) and awarding institutions**; GPA/degree class (at least a 2.1 honours undergraduate degree or equivalent)
- A **CV** (maximum 2 pages)
- Evidence of English language proficiency** for non-native speakers based on IELTS (or similar) score of 6.5 (or similar local requirements)
- Proposed **supervisor(s)** in order of preference (up to 3 different supervisors)
- a **statement of motivation** (max. 500 words) including a description of:
 - Why they wish to undertake a PhD (with reference to their future career ambitions and how the ADVANCE CRT programme contributes to it)
 - Reasons for selecting the nominated supervisors.
- a **research proposal** (max. 500 words) providing a technical outline of the research project you propose to undertake during your PhD:
 - We encourage applicants to reach out and discuss with their supervisors of choice their research proposal before applying. Although this is not a requirement, as supervisors might not have the capacity to provide feedback to all applicants.

- The content, focus and scope of the research proposal might be modified throughout the application process in discussion with the potential supervisory team or members of the interview panel.
- Prioritise showcasing your technical expertise in the field and research capabilities to undertake the described research proposal.

Diversity

To help address gender under-representation in science, applications from female applicants are strongly encouraged, as are those from international students and other under-represented groups. This reflects each of the supervisory institutions commitment to providing a diverse and open environment for students and faculty.

ADVANCE CRT is dedicated to promoting the role of women in science, and, therefore, explicitly invites women to apply to this call. If you have any queries please contact the ADVANCE CRT Operations Team at advance-crt@cs.ucc.ie.