

**PERSON SPECIFICATION**

**RESEARCH ASSOCIATE/SENIOR RESEARCH ASSOCIATE CRDT-PORT GRADE 6/7**

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| Criteria | Essential/ Desirable | Application Form/ Supporting Statements/ Interview\* | |
| Research experience in at least one area of digital twins, AI/machine learning, network communication protocol design, network simulation, digital twins software development, SDN, network resilience, data analytics, sensing/monitoring for disasters | Essential | | Supporting Statements/Interview |
| Drive to undertake ambitious research that apply AI/ machine learning, or sensing/monitoring, or resilient network communications techniques for disasters warning and/or resilience | Desirable | | Supporting Statements/Interview |
| Proficient software development skills in programming languages for example, Python, C/C++ and/or Java. | Essential | | Supporting Statements/Interview |
| A PhD (or equivalent experience) in Computer Science, Communication Systems, Electronic Engineering, Mathematics, Control or a closely-related discipline | Essential (7) Desirable (6) | | Application Form |
| Ability/willingness to represent Lancaster University and the project as a whole at national and international meetings and conferences. | Essential | | Interview |
| Publication record appropriate to stage of career including first author research publications in peer-reviewed journals or conferences | Essential | | Application Form |
| Ability to adhere to deadlines, and strive to achieve important milestones through research outcomes, papers and reports | Essential | | Interview |
| Effective interpersonal skills and ability to work in a collaborative setting | Essential (7) Desirable (6) | | Interview |
| Ability and keenness to develop mathematical models and/or lead the algorithms design. | Essential (7) Desirable (6) | | Supporting Statements/Interview |
| Experience working on collaborative research projects. | Essential (7) Desirable (6) | | Interview |

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* **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to make a specific supporting statement. Normally used to evaluate factual evidence e.g. award of a qualification. Will be “scored” as part of the shortlisting process.
* **Supporting Statements** - applicants are asked to provide a statement to demonstrate how they meet the criteria. The response will be “scored” as part of the shortlisting process.
* **Interview** – assessed during the interview process by either competency-based interview questions, tests or presentation etc.