

Job Description & Person Specification

Academic and Research roles

JOB DESCRIPTION

Job title	Research Fellow
School/Department	CEPS
Division (if applicable)	Computing
Programme (if applicable)	
Location	Paisley
Reporting to	Prof Jose M. Alcaraz Calero
UWS grade	AC2.1
FTE	YES

Job summary

The post holder will have hands-on experience in infrastructure with proven experience. The postholder is required to play an active, full-time, and leading role at the postdoctoral level for specific R&D activities related to beyond 5G network infrastructure management in the UWS Beyond 5G Hub. The postholder will be dedicated to investigating, implementing, and evaluating a Beyond 5G infrastructure, and lead the development and operation of the infrastructure to support the trials and demonstration of use cases. The postholder will work on the relevant EU projects such as RIGOUROUS and P2CODE.

People & finance responsibilities

People	The postholder does not hold responsibilities in people, except managing the working relationships with other team members.
Finance	The postholder does not hold responsibilities in finance, except claiming expenditures from approved business trips and/or raising purchase orders after approval from the line manager.

Key activities

1. Play a leading role in the R&D activities for the UWS networking infrastructure in relevant EU projects to fulfil all the technical requirements as planned.
2. Play a leading role in the integration and trial activities in line with the UWS role in the relevant EU projects in supporting the various use cases.
3. Contribute to the projects' deliverables associated with the above activities.
4. Represent the UWS team wherever appropriate in projects' meetings/telcos.
5. Lead the preparation of the demos and presentations for the projects' meetings, review events and other relevant events.

6. Disseminate the research outputs to the academic and industry communities through publications in international journals and conferences, and demos/posters in relevant events.
7. Contribute to relevant tasks of other projects on demand.
8. Support the projects' teams in related scholarly activities, and assist postgraduate research students where necessary (for example in the understanding of the facilities and software).

Job scope

Planning and organising	The work plan will be allocated by the supervision team shortly after the arrival of the postholder, and progress and minor changes to the work plan will be discussed at regular weekly meetings with the postholder. The post holder will be required to use his/her knowledge and experience in organising and prioritising the tasks.
Decision making	On a day-to-day basis, the postholder will be required to take decisions and use his/her professional judgement in relation to the progress of the tasks. Any significant changes in the technical approach will be discussed at the weekly meetings.
Working relationships – Liaison and Networking	On a day-to-day basis, the postholder will be required to liaise with the team and external project partners in advancing the integration activities.
Working relationships – Communication	On a day-to-day basis, the postholder will be required to communicate with the other team members in discussing the integration activities. The postholder will also attend projects' telcos and present progress/results to project partners.
Working relationships – Teamwork	The postholder will be expected to use his/her professional experience to work with and assist the other team members, associated postgraduate research students, and external project partners.
Working relationships – Pastoral Care	The postholder should discuss any pastoral care related issues with the supervision team for mental health and other concerns.
Working relationships – Managing People	The postholder will support research assistants and associated postgraduate research students.

PERSON SPECIFICATION

Qualifications

			Evidence A = Application I = Interview
Essential	QE1	PhD degree in Computer Science, Networks, Telecommunications, Electronic & Electrical Engineering or related areas (including PhD candidates who have submitted their PhD theses and expect to pass their viva soon), or equivalent industry experience	A
	QE2		
Desirable	QD1		
	QD2		

Experience

			Evidence A = Application I = Interview
Essential	EE1	Proven successful experience of researching and managing 5G or related infrastructure solution(s) through software/hardware development.	A and I
	EE2	Proven successful experience in supporting use cases over an integrated infrastructure system.	A and I
	EE3	Proven successful experience in creating demos for a functional ICT system.	A and I
	EE4	Proven successful experience of working in a project involving teamwork.	A and I
	EE5	Experience of publishing academic papers in peer-reviewed journals.	A
Desirable	ED1	Experience of working in an EU project.	A and I
	ED2	Experience of working related to radio access networks.	A and I
	ED3	Experience of working related to AI.	A and I

Skills

			Evidence A = Application I = Interview
Essential	SE1	Proficient programming skills to implement networking solutions.	A and I
	SE2	Presentation skills for meetings/telcos.	A and I
Desirable	SD1	Emulation/simulation skills for complex networking scenarios.	A and I

	SD2		
--	-----	--	--

Knowledge

			Evidence A = Application I = Interview
Essential	KE1	Good knowledge in 5G and beyond networks.	A and I
	KE2	Knowledge in intelligent networking systems.	A and I
Desirable	KD1	Knowledge of relevant 5G R&D platform(s).	A and I
	KD2	Knowledge of relevant AI technologies.	A and I

Behaviours

			Evidence A = Application I = Interview
Essential	BE1	Full commitment to the work	I
	BE2	Ability to work independently and also as part of a team	A
	BE3	Ability to be organised and self-motivated	I
	BE4	Ability to communicate effectively	I
Desirable	BD1		
	BD2		

Created/Updated (mm/yy):	18/10/2024
--------------------------	------------