

平方公里阵列射电望远镜招聘职位详情

Network Architect (10092)

This role would be ideal for an experienced network specialist with a background in real world deployment and support of large network systems.

Job Location

UK (Head Office)

Area / Department

Software Data Management and IT

Contract Type

Permanent

Salary

Competitive salary with generous pension

Closing Date

28/06/2020

Ref No

10092

The Role

The SKA Computing and Software team are looking for a talented Network Specialist/Architect to lead the network deployment of the SKA telescopes and work alongside other architects, project managers and system engineers to ensure the networks for the two SKA telescopes are fit for purpose, providing the quality needed for a system that will have to last, and be continually developed, for decades. The system will be based on designs submitted by worldwide-based design consortia which have recently completed a critical design review, but we anticipate that there will be continual evolution as the systems are delivered and the network COTS market evolves during telescope construction.

Key Responsibilities, Accountabilities and Duties

The main functions of this role will be to:

- Work with the stakeholders to continually refine the network requirements for the SKA telescopes to ensure they meet the system requirements in an appropriate and cost-effective manner.
- Manage a small team of network engineers to ensure that the multi-terabit networks needed for these telescopes to operate are fit for purpose and meet existing and evolving requirements.
- Develop the technical content of the network procurement packages once the designs have been agreed
- Act as the SKA technical contact for network contracts once the successful supplier has been selected.

Mandatory Knowledge, Skills and Experience

The successful applicant for this role shall:

- Have significant experience in the design and architecture of large network systems.
- Have experience in developing and managing network contracts in a complex, high value environment.
- Have a good understanding of new and emerging network technologies and roadmaps.
- Be able to demonstrate understanding and enthusiasm for working based on lean/agile principles.
- Have excellent communication and influencing skills with distributed, highly specialised project teams and stakeholders, across international boundaries and time zones, involving a wide range of cultures and backgrounds.
- Be a flexible team player who is adaptable to change.
- Have the ability to travel to SKA partner sites world-wide as necessary and when possible in the context of any international travel restrictions (travel for this sort of role has typically been for up to one week 4-6 times per year).

Desirable Knowledge, Skills and Experience

The ideal candidate would also:

- Have knowledge and understanding of :
 - High Performance Computing environments.
 - Software defined networking systems.
 - Zero trust networking principles.
- Have experience in managing a small team of technical staff.
- Demonstrable interest in astronomy, with an understanding of the challenges of controlling telescopes like the SKA.

Equal Opportunities Statement

Equality, Diversity and Inclusion are at the core the SKA's agenda and we are committed to being an equal opportunities employer. Our aim to is recruit and retain the most talented individuals, regardless of gender, race, disability, age, sexual orientation, marital status, religion or nationality.

Women have traditionally been under-represented in the fields of science and engineering; SKA Organisation welcomes and encourages female applicants.

Where applicants with a disability need facilities or adjustments to enable them to participate in the recruitment process, these will be provided.