Contribution ID: **40**   Type: **Oral Presentation**

AAI Prototyping for SKA (Remote presentation)

Thursday, 23 March 2023 14:00 (30 minutes)

The Square Kilometre Array (SKA) telescope's computing platform is being developed through an agile process, with teams from across the SKA Regional Centres (SRCs) developing the SRCNetwork (SRCNet) infrastructure the SKA will need.

One such area of development is the SRCNet's Authentication and Authorisation Infrastructure (AAI), which is currently led by an agile team, Purple Team, with broad international membership. This team's goal is to prototype an interoperable and scalable AAI solution for the SKA SRCNet, considering the requirements and existing infrastructures at different countries SRCs. The team will aim to use lessons learned so far from both the SRCs and other science communities, such as CERNs Worldwide LHC Computing Grid (WLCG) and UK IRIS (eInfrastructure for Research and Innovation for STFC). Part of this was facilitated by producing an AAI Landscape Report which documents tools and the technologies, policies, and procedures which underpin AAI, and national and international implementations.

This talk will cover the development progress made so far, detailing design decisions, the research work underpinning them, and the forward plans for the SRCNet AAI development.

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Session Classification: Network, Security, Infrastructure & Operations

Track Classification: Track 7: Network, Security, Infrastructure & Operations