Junaid Islam
Scientific Advisor, AiRANACUUS

Junaid Islam has 30+ years of experience in secure communications. His protocols, algorithms and architectures have been incorporated into a broad range of commercial and national security systems. In the 90s he developed the first implementation of Multi-Level Precedence and Preemption (MLPP) for US Department of Defense C2 applications using Frame Relay at StrataCom. At Cisco Junaid contributed to the priority queuing and buffer management for MPLS routing. Junaid next developed the first working Mobile IPv6 client to enable fast hand-off as well as IPv6 address scrambling for high side networks for the DoD's Netcentric Warfare program. Most recently Junaid developed the first network-based Zero Trust Architecture using Software Defined Perimeter (SDP) for the US Intelligence Community.

Junaid has been awarded 15 patents in topics ranging from SDP-based Zero Trust, Secure Overlay Architecture, Quantum Safe Single Packet Authorization, Fast Mobile Hand-Off plus many others. Junaid is well known in the industry and was awarded the title of Research Fellow of the Cloud Security Alliance (CSA) as well as being an inductee in the IPv6 Hall of Fame for his contribution to Mobile IPv6 that is in the baseline 5G protocol.