Junaid Islam
5G Security Advisor
National Spectrum Consortium

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) in collaboration with the US Intelligence Community.

Junaid is well known in the networking community and regularly writes on threat of state-sponsored attacks to the USA. Junaid is a Research Fellow of the Cloud Security Alliance (CSA) and Co-Chair of the SDP Workgroup. In his day job, Junaid is the Director of Public Sector Solutions at Verizon where he leads the development of high security 5G networks.

Junaid will be supporting the NSC's mandate to help educate federal agencies on new 5G security capabilities such as Zero Trust, Network Slicing and Quantum Safe Encryption.