

# Alan Stein

CTO Office

Vice President, Technology

Alan currently heads InterDigital's Visual Standards Team, where he manages a global team of senior technology experts who participate in major video standards bodies, as well as important industry forums. Alan has been a board member of the UHD Alliance and a member of the CTA Video Board, and since 2013 has been the chair of ATSC's TG3/S34-1 group, the video technology standardization group for ATSC 3.0. He holds 16 granted patents in the field of digital video. Alan is also an long-time expert in Agile software methodology. He has been a Certified ScrumMaster since 2004, and is also a Certified Scrum Product Owner.

## More Information:

Alan spent the first decade of his 30+ year career working as a research staff member at the MIT Lincoln Laboratory. He worked for many years on real-time signal and image processing systems for laser radar systems, a key component of the Strategic Defense Initiative, and also on wind-shear detecting weather radars now installed in more than 100 airports in the US. Alan's significant contributions to MIT/LL are acknowledged in the book, "***Lincoln Laboratory: Technology in Support of National Security.***"

After leaving MIT, Alan joined a NJ-based DSP startup, Ariel Corporation, where he wrote software, firmware and development tools for high density parallel DSP computing hardware, and for early DSL products as well. Alan was a key technical expert who helped grow Ariel from a 25-person startup to a 150+ person public company in less than three years.

After leaving Ariel, Alan started a software consulting group in the Princeton area, that brought him into the video field, as clients included Sarnoff, NEC Research Institute and Bell Labs, where he and his small team worked on vision systems, video watermarking, video codecs and wireless streaming.

Alan joined the Thomson Multimedia Princeton Research Center in 2002, leading a team creating a software implementation of the then-evolving H.264/AVC video codec, which was integrated into many Thomson products: IPTV set-top boxes, Grass Valley professional editing tools, live broadcast video encoders, DVD/Blu-Ray authoring systems and more. Alan had a long and varied 17-year career with Thomson/Technicolor, working in software development, R&D management, organizational development, process improvement and technology and standards strategy in the video distribution and consumer device spaces. Alan was appointed as a Technicolor Fellow in 2015.