

Introduction to the 2018 Progress Report

By Patrick Griffis
SMPTE Executive Vice President

The annual *SMPTE Journal* Progress Report is intended to highlight activities in our field of interest as a Society, as well as, related trends in the industry overall. This year's issue is no exception.

On the standards front, SMPTE continues to lead with industry-setting standards in the next-generation imaging, as well as in the transition to an IP-based media infrastructure. The progress for each of SMPTE's Technical Committees is included as a key component of this issue of the *Journal*.

In the industry trends arena, we have the usual reports from international partner organizations who intersect our field of interest, including the Audio Engineering Society, American Society of Cinematographers (ASC), Advanced Television Systems Committee (ATSC), Academy of Motion Picture Arts and Sciences (AMPAS), Advanced Media Workflow Association (AMWA), Consumer Technology Association, and Digital Video Broadcasting (DVB). This year we have added some additional organizations notably the Ultrahigh Definition Alliance (UHDA) and the Worldwide Web Consortium (W3C). Each article will provide you with useful details on the priorities and activities of these media-relevant organizations.

In the technology trends area, we cover latest developments in next-generation video coding, high dynamic range television, SMPTE's 2110 IP standards, evolution toward a master control room in the cloud, advances in networked media and media security, and the growing deployment of SMPTE's interoperable mastering format. Of note, an article by Simon Fell, past Director of Technology and Innovation for the European Broadcasting Union, provides an insightful perspective from a long and distinguished career in the European broadcasting arena including his view on how broadcasting is evolving in the "connected age."

In summary, this issue is packed full of relevant and timely information, which we trust you will find useful.

About the Author



Patrick Griffis is Technology Vice President in the CTO Office at Dolby, charged with helping define future technology strategy for the company, which includes identifying and tracking key technical trends, performing technical due diligence, and supporting advanced

technology initiatives for the company. He has been an active company spokesperson on the topic of next-generation imaging and in particular, "better pixels"—a term he coined for high dynamic range plus wide color gamut and chaired the SMPTE ST 2084 drafting group that standardized the perceptual quantizer (PQ) curve. Before joining Dolby, he spent ten years at Microsoft, leading global digital media standards strategy, including standardization of Windows Media video technology as an international SMPTE standard. Prior to Microsoft, he spent 15 years at Panasonic in senior management positions, including vice president of strategic product development at Panasonic Broadcast, where he drove Panasonic's HDTV strategy for the U.S.

He started his career at RCA Consumer Electronics Division, earning eight patents in TV product design. He is an SMPTE Fellow and the SMPTE Executive Vice President. He also serves as vice president on the Board of the ultrahigh-definition (UHD) Forum and is Dolby's Board representative in the UHD Alliance, as well as, the vice chair of its Interoperability Working Group. He served two terms as president of the IEEE Consumer Electronics Society and is a past member of the IBC Council, an industry executive advisory group to the IBC Board. He is also a member of the Academy of Digital TV Pioneers. He holds a BSEE degree from Tufts University and an MSEE degree from Purdue University.

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