

Digital Television Standards and Their Worldwide Impact

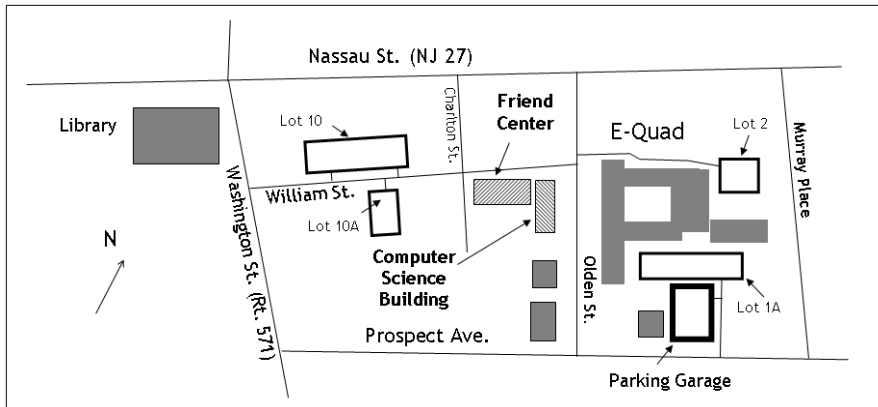
The development of digital standards for broadcast television was a seminal event – it was a pivot from many decades of analog video technology to the world of digital media and video streaming that today’s audiences enjoy all over the world. This talk will discuss the technical roots of analog video standards, how the quest for a high-definition broadcast television standard in the 1990s was met by a radical leap to digital technology, the world’s first digital TV standard (ATSC), and the recent development of the ATSC 3.0 standard for internet-based broadcasting and streaming. Also discussed will be the adoption of digital television standards throughout the world, how government regulators have managed to transition from analog to digital broadcasting, and the commercial impact of standards on consumer electronics products from TVs to smart phones.

Glenn Reitmeier is widely recognized as a technology visionary and pioneer in the television industry. Throughout his career, he has been a leader in establishing revolutionary new digital standards that are now widely used in video production and in content delivery by over-the-air broadcasting, satellite, cable and video streaming over the internet.

Now an independent consultant, Glenn is retired from 17 years at NBC Universal as Senior Vice President, Technology Standards and Policy, where he contributed to industry technical standards and to the technical aspects of the company’s government policy positions and commercial agreements. Previously, Glenn spent 25 years in digital video research at RCA/Sarnoff Laboratories. In addition to leading Sarnoff’s work on digital HDTV, his laboratory also spun out six technology startup companies in digital television and media.

Glenn has served the industry as a Board member of the Advanced Television Systems Committee (ATSC), the North American Broadcasters Associations (NABA) and the Open Authentication Technical Committee (OATC), and he has been Chairman of the Board of both ATSC and OATC. He is a SMPTE Fellow and a recipient of the Progress Medal and the Signal Processing Medal. He is also an inaugural member of the Consumer Technology Association’s (CTA) Academy of Digital Television Pioneers, a recipient of the National Association of Broadcasters (NAB) Television Engineering Award for lifetime achievement and a recipient of the ATSC’s Bernard J. Lechner Award for outstanding technical contributions. Glenn holds over 60 patents, has contributed to many Emmy award winning technologies and is recognized in the New Jersey Inventors Hall of Fame. He received his B.E.E from Villanova University and an M.S.E in Systems Engineering from the University of Pennsylvania.

Date:	MONDAY, October 28, 2024, 7:00pm EDT
Place:	IN-PERSON MEETING Princeton University Computer Science Building Small Auditorium, Room CS 105 35 Olden Street, Princeton NJ
How to register for the online meeting:	<ul style="list-style-type: none">• IEEE website: https://events.vtools.ieee.org/event/register/434635
For more information:	Michael Isnardi, michael.isnardi@sri.com



Parking: After 4pm on weekdays, public parking is permitted in most of the university parking lots near the Computer Science Building.

See the Visitor Parking link on the Princeton Transportation website, <http://www.princeton.edu/transportation/visitors.html>, for a summary of Princeton's policies.

On-street parking on Olden, William, and Charlton requires paying the electronic meters until 8pm.