



Webinars by SBE consists of online seminars on subjects of interest to broadcast engineers. Webinars can be viewed live, or from the SBE website on-demand. Each webinar typically lasts 60-120 minutes (some last up to three hours). The presentation and audio are accessed via the Internet.

Why sign up for a webinar?

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- **Time Efficient** - Gain immediate information in a short span of time
 - **Cost Efficient** - When you can't afford the cost of travel or time away from work
 - **Convenient** - View a recorded webinar anytime, day or night
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Webinars On-Demand

ATSC Mobile DTV

Presenters: Wayne Bretl, Rich Chernock, Jay Adrick

SBE Members: \$39 Non-Members: \$59

Length: 100 minutes

The first portion of the webinar introduces the layered structure of the ATSC Mobile DTV System, and then describes how enhancements to the ATSC 8-VSB physical layer provide robust reception under mobile conditions, and how a variable part of the data in the ATSC channel can be allocated for mobile use. The use of IP transport in ATSC Mobile DTV for both streaming and file content is also explained. The last portion of the webinar provides an overview of the equipment utilized to originate and transmit ATSC Mobile DTV services, including encoders, signaling, ESG, mobile transmission adapters and the transmission exciter.

Creative Strategies for Translators and Boosters

Presenter: Doug Vernier, CPBE

SBE Members: \$49 Non-Members: \$69

Length: 85 minutes

Referencing real life examples of creative translators and boosters now on the air, attendees will hear about how AM day stations can be programmed at night by using fill-in translator, translator location hopping move-ins to larger populations and translators with HD2 or HD3 primary signal inputs. Basic translator rules for NCE and commercial frequencies will be covered, in addition to how operators can optimize translator coverage.

EAS Update for Broadcasters *(August 19, 2010)*

SBE Members: FREE Non-Members: FREE

Thank you to Digital Alert Systems, Gorman-Redlich, Sage Alerting Systems for making it possible to offer this webinar at no cost.

Presenter: Ralph Beaver, CBT

Length: 65 minutes

This webinar, which took place August 19, 2010, provides an update on EAS and the move to Version 1.2 of CAP, and reviews what we know at this time, what we don't know, and what broadcasters can do to prepare.

Event Frequency Coordination

Presenter: Ralph Beaver, CBT

SBE Members: \$99 Non-Members: \$139

Length: 90 minutes each

This two-part webinar series embarks on event frequency coordination from beginning to end. This includes understanding the importance of coordination, where to get wireless channels, and the types of users. The FCC rules and regulations as they pertain to frequency coordination will also be reviewed. Details related to both technical and non-technical aspects of coordination are also examined, including how to communicate with the media, finding users, how to find a coordinator in other cities, and the step-by-step technical process of coordination.

FCC Self-Inspection Checklist

Presenter: Dennis Baldrige, CPBE, 8-VSB, AMD, DRB, CBNT

SBE Members: \$39 Non-Members: \$55

Length: 105 minutes

This webinar covers the purpose, scope and limitations of the self inspection checklist. It also addresses the technical and non-technical aspects, as well as the public inspection file, antenna structures, the Emergency Alert System and more.

Human Factors in Broadcasting

Presenter: James McTigue

SBE Members: \$39 Non-Members: \$55

Length: 130 minutes

This webinar provides an introduction to Human Factors as it relates to the field of broadcast engineering. Learn about the physical and cognitive limitations of humans and how costly it can be for broadcast engineers and their companies to ignore human factors. In addition, learn how to become a better judge of proposed benefits of products and services that use "Ergonomics" as part of the selling points. Lastly, gain an understanding of how to increase workflow, reduce costly errors and increase productivity in your workplace.

KREX - the Real World of Disaster Recovery

Presenter: Skip Erickson

SBE Members: FREE Non-Members: \$39

Length: 75 minutes

Thank you to Harris Corporation for making it possible to offer this webinar at no cost to SBE Members.

For most engineers, the Disaster Recovery Plan is a file on their hard drive that is a rarely updated and sketchy plan on what should be done if the station is destroyed. Find out what real world lessons in disaster planning were learned when the CBS and Fox affiliate in Grand Junction, Colorado burned completely to the ground and the Super Bowl was just two weeks away.

Leadership Development Series

SBE Members: \$45 Non-Members: \$59

1) The Function and Nature of Leadership; 2) Communication; 3) Motivation

Length: 75 minutes each

Presenter: Rodney Vandevener, SBE Leadership Development Course Instructor

This series provides an introduction to leadership, and will explore basic principles of leadership, how effective communication can dramatically increase efficiency and employee satisfaction, and how motivation plays an essential part in employee commitment.

Managing a Project and Outside Contractors for Success

SBE Members: \$59 Non-Members: \$79

Presenter: John Luff, 2010 SBE Engineer of the Year

Length: 90 minutes

The nature of our business is wrapped around change. One of these types of change occurs when stations face major projects that can be disruptive, yet fulfilling for those involved. This significant change causes stress unless a carefully designed structure is wrapped around the work. This webinar will help attendees learn the roles and responsibilities of those involved in planning and executing a capital project. Emphasis is placed on the roles and responsibilities of the station, consultants, and system integrators.

Mathematics of Reliability

SBE Members: \$39 Non-Members: \$59

Presenter: Fred Baumgartner, CPBE, CBNT

Length: 60 minutes

For every engineer who has ever been asked to plan their next outage, or knew intuitively that they really needed to budget a spare, this tutorial covers how to apply the statistical analysis of system availability to the design, operation, and budgeting of a broadcast facility.

Maximizing HD and 1080p/60 Cable Performance

SBE Members: \$39 Non-Members: \$59

Presenter: Steve Lampen, CBRE

Length: 120 minutes

How can you judge cable quality? This webinar will review how digital video cable is designed and manufactured, and how installing it can affect the performance of the system. All of these factors can be determined by understanding and measuring return loss. Included is an analysis of cable "characteristic impedance" with installation guidelines and suggested test procedures to maximize performance.

Networking Technology for Broadcast Engineers

SBE Members: \$98 Non-Members: \$158

Presenter: Wayne Pecena, CPBE, 8-VSB, AMD, DRB, CBNT

Length: 120 minutes each

This introduction- to intermediate- level series of 2 webinars focuses on TCP/IP based networking fundamentals in an Ethernet environment. Topics to be covered include TCP/IP and UDP Fundamentals, IP Addressing, Sub-netting Basics, an Introduction to IPv6, Switching Fundamentals, VLAN Use, Routing Fundamentals, Quality of Services (QoS) Basics, and Networking Security Concerns.

Networking Technology for the Broadcast Engineer - Routing & Switching

SBE Members: \$59 Non-Members: \$79

Presenter: Wayne Pecena, CPBE, 8-VSB, AMD, DRB, CBNT

Length: 90 minutes

This intermediate-level webinar provides the broadcast engineer with a better understanding of IP routing and switching so that the technology may be implemented within his or her own network. Design examples will utilize typical industry network equipment with configuration implementation details. Detailed configuration and implementation notes will be provided for each design example.



Webinars by SBE is brought to you by:

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