

# 70 MINUTES

September 2020 Vol. XXVIII Number 9

**Tuesday, September 15, 2020 Gather Online beginning at 6:30pm**

**Meeting 7:00pm, Presentation to follow**

**Presentation: Fiber Optic Cables for HDTV Broadcast**  
Presented by Benjamin Nemser and Daniel Ritts of Nema Electronics

## Meeting Information

Our September 15 Meeting will again be 'virtual' with Zoom. Gather at 6:30 pm or later, where we can visit and openly have discussion before the 7PM meeting. We are holding our monthly meeting later than usual due to the Labor Day Weekend.

Our Presentation will follow the Chapter Meeting. This month's presentation is by Benjamin Nemser and Daniel Ritts of Nema Electronics. Fiber Optic Cables for HDTV Broadcast will be the topic. The presentation will include an overview of Fiber Optics in TV and Radio Broadcast, with application and different types of cables, connectors, converters, etc. Since we are setting up more LANS, VoIP, AoIP and Video IP networks, fiber is, or will become more prevalent, and this will be a good presentation on it's use, specific broadcast, audio and video. More detail on the presentation and Benjamin and Daniel in this newsletter on page 3.

A link and the password to join the meeting is contained in the email with this newsletter.

John Hovanec, CSRE/CBNT, DRB, AMD  
SBE Chapter 70 Program Chair

## Chairman's Chat

Hello all members and friends of SBE Chapter 70. First up I want to thank Karl Kuhn of Telestream for his program on IP video and how important precise timing will be to an IP based facility. With the Chapter Zoom account it was much easier to get in and have a real chat before the meeting. I hope some more of you are able to make the next one. We'd be happy to see and/or hear from you. We did have the 'election' vote as is our tradition. We again continued the previous slate with only Jim Arcaro dropping Vice Chair and Jim Georgiades accepting that position, the rest of us will hold on for another tour.

In national news the SBE will present the SBE Annual Membership Meeting and National Awards Presentation via the internet at 7:00 p.m. EDT/4:00 p.m. PDT on Wednesday, Sept. 23. Details on how to watch the webcast will be shared via the SBE website, SBE-news email newsletter and social media in the next week.

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**CHAIRMAN'S CHAT (Continued from page 1)**

The traditional SBE Fellows Breakfast, held each year as a part of the SBE National Meeting, was among the events swept up in the cancellation of the in-person events. However, we are going to bring our SBE Fellows together for a special reunion via Zoom on Wednesday, Sept. 23 at 1:00 p.m. EDT (10:00 a.m. PDT). The one-hour reunion will include recognition of this year's SBE Fellow class, Ralph Beaver and Jim Leifer. We will also take time to hear from each of the Fellows participating, so be sure to mark the date and time on your calendar. Participating via Zoom is free. An invitation to SBE Fellows will be sent via email that includes the Zoom link. Thanks to Kathrein, the sponsor of the SBE Fellows event since 1997!

Interconnecting AoIP Systems – Making It All Work Together, will be presented by Shane Toven, CSRE, CBRE, CBNT on Thursday, September 10 at 2:00 m EDT, this is Module 7 of the SBE AoIP webinar series. Toven is senior broadcast engineer for Educational Media Foundation. Fiber Optic Cables for HD Broadcast, an SBE webinar, will be presented Sept. 29 at 2:00 pm EDT by BenjaminNemser, CEO of Nema Electronics and Daniel Ritts, VP of engineering at Nema. Register and get more information about both webinars at the SBE website, [sbe.org/Education/Webinars](http://sbe.org/Education/Webinars) page.

Thanks and stay safe,

Blake E. Thompson CBNT  
BET Broadcast Engineering  
SBE Chapter 70 Chairman  
OAB ABIP Inspector



## SBE 2020 Certification Exam Schedule

Exam Dates	Location	Application Date
February 7-17	Local Chapters	December 31, 2019
April 21	NAB Show in Las Vegas	March 8, 2020
June 5-15	Local Chapters	April 17, 2020
August 7-17	Local Chapters	June 12, 2020
November 6-16	Local Chapters	September 21, 2020

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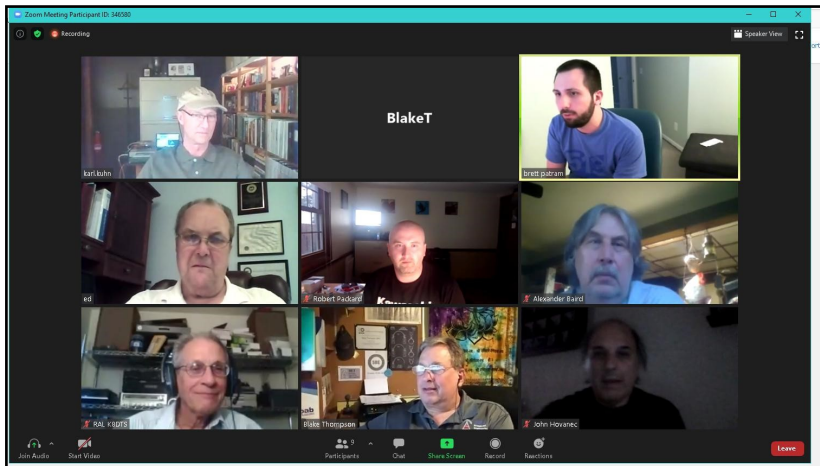
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Established in 1979

## August Virtual Meeting



**Congratulations, Jim Georgiades**  
Chapter 70 **“Engineer of the Year”**

## ABOUT THE SEPTEMBER MEETING AND PRESENTERS...

### **Fiber Optic Cables for HDTV Broadcast Virtual Presentation for SBE-2020 Presented by Benjamin Nemser and Daniel Ritts**

The presentation includes video, slides, and live demonstration, and provides an overview of the applications for Fiber Optics in TV and Radio Broadcast. We will discuss the different types of fiber optic cables, connectors, and Media Converters used in broadcast applications, including SMPTE, opticalCON, and Tactical Fiber products. We will also cover installation considerations and maintenance, both for inside plant as well as for mobile broadcast. Next, we will demonstrate cleaning and testing procedures including interferometry and insertion loss, with the opportunity to ask any questions.

Nemal Electronics is an active member of SBE as well as NAB, Avixa, and NAMM, and designs and manufactures a wide range of standard and custom AV, RF, and broadcast cables for most of the principal camera manufacturers and broadcast networks throughout the Americas. Nemal’s headquarters and manufacturing facilities are located in Miami, Florida.

Benjamin Nemser founded Nemal Electronics in 1979 and is currently its CEO. Ben graduated from University of Miami (BBA and JD) in 1981, and holds a FCC General Radio Telephone Certificate as well as an Amateur Extra Class License (WA4DZS). He is also a Learjet pilot, flight instructor, and distance runner, and holds the rank of Major in the U.S. Air Force Auxiliary, Civil Air Patrol. Ben has more than 45 years of experience in the design, manufacture, installation, and troubleshooting of cabling systems for AV, Broadcast, and RF.

Daniel Ritts is the VP of Engineering at Nemal and is a leading expert on broadcast fiber optic cables. Danny has more than 30 years of experience in designing, building, and testing SMPTE and opticalCON cabling systems for HDTV camera infrastructure and mobile broadcast.



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## NAB President and CEO Gordon Smith Announces 2021 NAB Show Rescheduled for October

*-- NAB Show now scheduled for October 9–13, 2021 in Las Vegas --*

Washington, D.C. -- National Association of Broadcasters (NAB) President and CEO Gordon Smith today issued the following letter to the NAB Show community regarding plans for the 2021 NAB Show (edit):

*Dear NAB Show community,*

*I hope that you and your loved ones are well and staying safe. Although we truly miss seeing you in person, it has been fantastic to observe the industry come together in many ways to work through these challenging times, and it has been our pleasure to do our part to create connections via our new digital initiatives.*

*As we look ahead to 2021 and beyond, our top priority is to deliver a successful NAB Show. We recognize the vital role NAB Show plays as a driver of innovation and an economic engine for the global media and entertainment industry. With that in mind, it is critical we act on your behalf and in a way that will best serve the long-term interests of the industry. We have worked diligently over the last few weeks and months monitoring a range of variables, including health and safety concerns, economic indicators, industry developments and travel restrictions, to gain an understanding of overall trends and future conditions for holding a major event in 2021. We have also reached out extensively to the show community to collect feedback.*

*Through all of this we have witnessed growing concern and uncertainty over what the next six months will bring; enough that there appears to be a good deal of reluctance around participating in large events in the first half of next year. The pandemic remains a significant threat and the evidence suggests it will be well into next year before it could be under control in the U.S. We also have our own concerns around being able to deliver the type of event in April that will not only drive results, but one that can be produced safely for all involved and without significant limitations on the experience.*

***Taking all of this into account and in the interest of supporting the business, health and safety concerns of our show community we have decided to move the 2021 NAB Show, previously scheduled for April 11–14, to October 9–13, 2021 in Las Vegas.***

*With any difficult decision, there are trade-offs. Moving NAB Show to October means we are considering alternative 2021 dates for NAB Show New York, held annually in October. On the plus side, the 2021 Radio Show will co-locate with NAB Show in Las Vegas as will NAB's Sales and Management Television Exchange; and there is opportunity to add additional partner events. Beyond this, we have done our best to avoid direct conflicts with other domestic and international events, and have reached out to allied organizations and partners to both share our thinking in advance and to offer to work collaboratively toward turning this into an opportunity for all.*

( Source: <https://www.nab.org/documents/newsRoom/pressRelease.asp?id=5808> )