



Society of Broadcast Engineers Monthly Newsletter on Career Advancement

July 2010

Issue Highlights

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- What does SBE Certification mean to you?
- Recertification - start working on it now!
- Current Educational Opportunities
- CBNT - Suggested Reference Books
- Still Time to Register - Webinar on Human Factors in Broadcasting

On the Horizon

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Did you know?

Are you up for SBE recertification? All [education courses](#) offered by SBE qualify for [recertification credit](#).

What does SBE Certification mean to you?



Megan Clappe
Certification Director

Recertification-start working on it now!

The SBE National Certification Committee has produced a [brochure](#) that you can use to help keep track of the activities you have completed during the 5 years of your SBE certification.

There is also an [excel spreadsheet](#) that you may use if you prefer to keep track on your computer.

Access the brochure [here](#) or the excel spreadsheet [here](#).

If your certification expires July 1, 2010, please fill out the recertification application and send it in ASAP to maintain your SBE certification.

Upgrade your SBE Certification

If you currently hold a Certified Senior Radio Engineer (CSRE) or a Certified Senior Television Engineer (CSTE) certification and you have worked in the industry for at least 20 years, you may want to consider upgrading to the Certified Professional Broadcast Engineer (CPBE). There is no exam involved. You can find more information about the CPBE and applications [here](#).

Current Educational Opportunities

Webinars by SBE

On-Demand Webinars
[RF Safety Course](#)



Check out the courses available on SBE University.

[Event Frequency Coordination](#)

[Maximizing HD & 1080p/60 Cable Performance](#)

Live Webinars

[Human Factors in Broadcasting](#) - July 13, 2pm ET

What does your SBE Certification mean to YOU?

Let me and the rest of SBE know what your certification means to you.

You have worked hard to obtain your certification, so share that story.

If you would like to contribute, please email me at mclappe@sbe.org.

CORRECTION: Mark Simpson, CPBE, AMD, CBNT who contributed to the June newsletter belongs to Chapter 32, Tucson, AZ.

Contact Information

Society of Broadcast Engineers

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Certification Director

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Ennes Workshops

Affordable one-day workshops coming near you!

Nashville, Tennessee - Friday, August 20
hosted by SBE Chapter 103 and the Tennessee Association of Broadcasters

Dallas, Texas - Saturday, September 25
hosted by SBE Chapter 67

San Diego, California - Saturday, October 16
hosted by SBE Chapter 36

Worcester, Massachusetts - Wednesday, November 10
hosted by SBE Chapter 11, in conjunction with the New England Broadcast and Cable Expo

Leadership Development Course

Deadline to register is approaching - July 6

Date: Tuesday - Thursday, August 3-5

Location: Atlanta Marriott Perimeter Center

Room Rate: \$109/night; Online room reservations - [click here](#)

This interactive, three-day course geared specifically to broadcast engineers includes the following subjects:

- Understanding the Dynamics of Leadership
- CAPS Study: Discover Your Leadership Behavioral Style
- Communication
- Effective Motivation Techniques
- Building Winning Teams
- Responsible Management and more

[More Info](#)

[Register Now](#)



CBNT - Suggested Reference Books

The SBE National Certification Committee has put together a list of Suggested Reference books that may be helpful in studying for the exam. Everyone's skill set and knowledge is different so the SBE National Certification Committee does not recommend specific books.

Below are only a couple of options from the [Certified Broadcast Networking Technologist \(CBNT\) Suggested Reference List](#).

These books can be purchased through the [SBE Bookstore](#) (SBE Members receive a discount).

[Networking: A Beginner's Guide, 5th Ed.](#)

by **Bruce Hallberg**

This fifth Edition explains, step-by-step, how to install, set up, and administer Windows Server 2008, Exchange Server 2010, Fedora 10, and Apache. If you're beginning a career in networking or looking to refresh your skills, you need this detailed reference

[LAN Wiring, 3rd Ed.](#)

by **James Trulove**

This guide to cable installation for voice and data shows the details of proper LAN cabling and the basics of connecting LAN hardware. It includes cabling standards, the latest advances in fiber optics, gigabit ethernet, cable support structures, wireless LANs and includes more than 200 illustrations.

[Communications Systems and Networks, 3rd Edition](#)

by **Ray Horak**

This book describes how the merging of voice and data networks has evolved and is likely to evolve as we move toward an information-based economy.

To view the entire list of the SBE suggested references please visit the [SBE website](#), or contact the Certification Director, [Megan Clappe](#), for more information.

Education Spotlight - Still Time to Register!

Human Factors in Broadcasting

Date: Tuesday, July 13, 2010, 2:00-4:00 p.m. ET

Price: Members - \$29; Non-Members - \$45

[Register Now](#)

Human factors is a discipline of study that deals with human-machine interaction. It is a scientific discipline that draws from many areas, including psychology, engineering, industrial design, statistics, operations research, and anthropometry. It focuses on a range of different topics, such as workplace safety, ergonomics, human error, product design, human capability and human-computer interaction.



So how does this translate to the broadcast engineering field?

By having an understanding of the principles of human factors, someone in the broadcast engineering field will be better equipped to face challenges such as:

The design of control rooms, production rooms, equipment rooms, maintenance facilities and remote facilities

Improving work flow, including safety, reliability/human error, equipment selection, display and control selection and placement, and effects of automation

Implementing environments appropriate to work and worker variability, including auditory, visual, vibration, thermal, physical and psychophysical

Why You Should Attend

This webinar provides an introduction to Human Factors as it relates to the field of broadcast engineering. Takeaways attendees can expect include:

- An understanding of the physical and cognitive limitations of humans and how costly it can

- be for broadcast engineers and their companies to ignore human factors.
- Gain an understanding of how to increase workflow, reduce costly errors and increase productivity in their workplaces.
 - Become better judges of proposed benefits of products and services that use "Ergonomics" as part of the selling points.

Who Should Attend

Operations Staff · Facility Designers · Maintenance Staff · Support Personnel · Manager · Executives · Engineers

About Your Instructor

James McTigue, *Principal Consultant*

Impulsive Audio Consulting

Jim McTigue has worked for 35 years in the Acoustic, Broadcast, and Professional Audio fields. Currently, he provides technology consulting services through his firm, Impulsive Audio Consulting. Starting at the legendary A & R Recording Studios in New York, his career has included positions at Altec Lansing, API, Broadcast Technology, Euphonix, Radix Systems, and the legendary Sigma Sound Studios. McTigue holds a B. S. in System Engineering from the Polytechnic Institute of NYU and an M.S. in Industrial Engineering from the University of Oklahoma. He is a member of the AES, ASQ, IFQ, IEEE, IIE, NARAS and SBE.