

# BROADCASTERS CLINIC

And

UPPER MIDWEST REGIONAL
SOCIETY OF BROADCAST
ENGINEERS MEETING

October 11-13, 2005
The Marriott West • Madison, Wisconsin

# BROADCASTERS CLINIC 2005 Program Agenda

## **TUESDAY, OCTOBER 11**

8:15 a.m.	REGISTRATION & CONTINENTAL BREAKFAST
9:15	HD Radio – New Monitoring Dynamics David Day Sequerra
10:00	FM Transmission of the HD Radio Signal Utilizing Adaptive Predistortion to Meet the Emissions Mask  Gary Manteuffel  Nautel
10:45	BREAK
11:00	High Power FM/IBOC Using A Single Tube Transmitter  Dan Dickey  Continental Electronics
Noon	LUNCHEON (Provided for Clinic Attendees)
2:00 p.m.	The Killer App for FM: 5.1 Surround Sound Frank Foti Telos/Omnia
2:45	Analysis of Interference Caused by AM IBOC  Greg Buchwald  Motorola
3:30	BREAK
3:45	HD Radio Panel Tom Ray – WOR Andy Laird Clif Groth
4:30	EQUIPMENT EXHIBITS ARE OPEN (Everybody is welcome)
7:30	Engineering Nuts & Bolts Vern Killion
	Cr. D. D.

# WEDNESDAY, OCTOBER 12

8:00 a.m.	REGISTRATION & CONTINENTAL BREAKFAST
8:30	Broadcast Electronics 4MX50 Transmitter  Jerry Westberg, Senior AM Design Engineer  Broadcast Electronics
9:15	Full Facility Audio and Control Integration in a Modern Console/ Router System Frank Grundstein Logitek Electronic Systems
10:00	<b>EQUIPMENT EXHIBITS OPEN</b> (Lunch provided in Exhibit Hall for Clinic Attendees - Ticket Required.) *
1:30 p.m.	10gigabit Networking for Audio and Video Steve Lampen Belden Electronics
2:15	Introduction to IP Networking inacom Information Systems
3:00	BREAK
3:15	The Workbench John Bisset Radio World and Broadcast Electronics
4:00	Terminating Fiber Optic Cable, It's Not as Hard as You Think:  A Hands-On Experience  Bob Sebesto  Belden Electronics
6:00	RECEPTION
7:00	<u>Upper Midwest Regional Society of Broadcast Engineers Meeting</u> <u>- "Planning for Power Delivery"</u> Annemarie Newman, American Transmission Company, LLC

<sup>\*</sup>Exhibitors may purchase tickets at the Clinic Registration Table

### THURSDAY, OCTOBER 13

8:00 a.m. Registration & Continental Breakfast 8:30 The Mathematics of Reliability Fred Baumgartner Leitch Inc. 9:15 A Video Engineers View of Audio Concerns in a High Definition **Television Production Facility** Fred Engel WTTWII/Chicago 10:00 BREAK 10:15 A Case Study in Implementing Multiple Antennas in a Single Aperture Joe Zuba and Leonard Charles Dielectric and WISC-TV 11:00 Reality Engineering Jeremy Ruck DL Markley & Associates Noon LUNCHEON (Provided for Clinic Attendees) 1:15 p.m. The Critical Need for HD Lens Testing Larry Thorpe Cannon Broadcast 2:00 **HD Field Acquisition** Bill Fleming Sony 2:45 Cost Effective Switchable SDHD DVC PRO Field Acquisition Phil Livingston

Adjournment...THANKS AND SEE YOU NEXT YEAR!

Panasonic Broadcast

### REGISTRATION FORM **BROADCASTERS CLINIC 2005**

October 11-13, 2003	
I will attend: (Please check)	
☐ Tuesday ☐ Wednesday ☐ Thursday	
Fees: \$130 (Any two days) \$150 (All three days)	
PLEASE FILL OUT COMPLETELY	
Amount enclosed: \$	
Name:	
Organization/Station:	
Business Address:	
street	
Phone: ( )	
area code daytime number/evening number  Email Address:	
Mail this form and your check made payable to Broadcasters Clinic:	

**Torrie Kennedy** WBA 44 E. Mifflin Street, Ste. 900 Madison, WI 53703

To register by phone, please call 1-800-236-1922 or fax to 608-256-3986 or register at www.wi-broadcasters.org

#### 2005 PROGRAM COMMITTEE

Kent Aschenbrenner, WTMJ, Inc., Milwaukee, WI

Don Borchert, Madison, WI

Craig Bluschke, UW Engineering

Stephen Brown, WLTE - CBS Radio, Minneapolis, MN

Mark Burg, WLAX-TV, La Crosse, WI

Gordon Carter, WFMT Radio, Chicago, IL

Leonard Charles, WISC-TV, Madison, WI

Greg Dahl, Rockford, IL

Cliff Groth, NewRadio Group, Fort Atkinson, WI

Vern Killion, KRVN Radio, Lexington, NE

Vicki Kipp, ECB, Madison

Gary Mach, Green Bay, WI

Kevin Ruppert, WISC-TV, Madison, WI

Tom Smith, WHA TV. Madison, WI

#### **EXHIBITORS**

#### Among the many exhibitors at the BROADCASTERS CLINIC 2005 are:

ADC APT

**AVI Pinnacle** Acrodyne

**AEO** Broadcast Alpha Audio and Video

**APHEX** Armstrong

Audemat - Aztec

Avid Axcera

Belden Wire Cable Broadcast Electronics, Inc.

Broadcast Microwave

Services

Broadcast Richardson Broadcasters General Store

Burk Calypso Canon

Chyron Corporation Clark Wire & Cable

Comrex

Continental Electronics

Crispin Data Media

Dielectric Communications

Enco Systems

ERI-Electronics Research

Evertz. Fuji Photo **Full Compass** 

Gepco International, Inc.

Gorman Redlich Mfg. Co.

Harris Broadcast

Heartland Video Systems Hewlett Packard Co.

Hitachi

Jampro Antennas Joseph Electronics

Kathrein

Kintronic Labs, Inc.

KLZ Leader Larcan Leitch

Lights by H&H

Logitek Loral Skynet Masstech MAT Media First MidWest Media

Microfirst Microwave Radio

Communications Miranda Technologies

Moseley

N-Systems (NSI)

Nautel

Norlight Teleport Chicago

Nucomm **NVision** Omneon

Panasonic Broadcast

Parkervision

Pesa

Philips Broadcast TV

**QEI Ouantel** 

**Ouartz** Electronics

Radio Systems

Ram Broadcast Systems

RF Technology Rhode & Schwarz Roscor Corporation

Ross Video Seachange Scott Studios Serial Scene Snell & Wilcox Sony Electronics, Inc.

Spencer Technologies St. Paul Tower Sundance Superior Switchcraft **Tektronix** 

Thales Components Thomcast Multi-Media

Triveni Digital

Trompeter Electronics

Tron Tek V-Soft Video Tek

Teranex

Wave Communications Weather Central, Inc.

And More . . .

### **GENERAL INFORMATION**

#### **DATES**

Tuesday through Thursday, October 11-13, 2005

#### LOCATION

All sessions of the Broadcasters Clinic 2005 are held at the Marriott-West, located at 1313 John Q. Hammons Drive, Madison, WI, Phone number: 608-831-2000.

#### FEE

\$130 - Any two days \$150 - All three days

Fee covers program materials, continental breakfasts and luncheons as indicated, refreshment breaks, and an evening reception with hot hors d'oeuvres (cash bar). Vegetarian meals can be requested by calling the WBA office at 1-800-236-1922, by October 1, 2005

You are entitled to a full refund if cancellations are received prior to October 1, 2005. Enrollees who do not cancel, are obligated for the full fee. Substitutions may be made at any time.

#### **ACCOMMODATIONS**

Please make your own room reservations with the Marriott-West. The hotel telephone number is 608-831-2000. We suggest that you make your reservations before September 10, 2005, while discounted rooms are being held for the seminar. Please specify that you are attending the **Broadcasters Clinic 2005.** For a list of surounding hotels, visit: www.sbe24.org.

#### **CREDIT**

Continuing Education Units (CEU's) provided by University of Wisconsin Engineering Professional Development.

#### **INFORMATION**

For further conference or exhibitor information, contact Don Borchert, 1955 Oakland Avenue, Sun Prairie, Wisconsin 53590. Phone 608-837-3462 or visit: www.sbe24.org.