

# WBA Duke Wright Media Technology Institute

**June 13-15, 2023**  
Osthoff Resort, Elkhart Lake

## TUESDAY - JUNE 13

8 a.m.- 6:30 p.m.  
**Registration**

8 a.m. **Continental Breakfast**

8:30 a.m.

*Grand Libelle Ballroom D and E*

**Opening Remarks, Introductions, and  
Getting to Know You**

9 a.m. – Noon

*Grand Libelle Ballroom D and E*

**The Business of Broadcasting**

*Tom Walker, Mid-West Family*



Tom Walker

- What Industry Are We Actually In?
- How Do We Keep Score?
- CAPEX

Noon – Lunch (provided)

*Palm Garden Ballroom F*

– Sponsored by Nautel



1 p.m. – 5 p.m.

*Grand Libelle Ballroom D and E*

**Effective Communication and Engineering Basics**

*Bill Hubbard, MTI*

*Jeff Welton, Nautel*



Bill Hubbard



Jeff Welton

- Working Together to Achieve Success.
- Making The Case for Equipment Replacement and/or Repair
- Back to Basics – Ohm's Law and The Math You Need to Know

5 p.m.

**Reception**

*Villa Gottfried Parlor*

## WEDNESDAY - JUNE 14

8 a.m.-6:30 p.m. **Registration**

8 a.m. **Continental Breakfast**

8:30 a.m. – Noon

*Grand Libelle Ballroom D and E*

**It's All About the Bits – Information Technology  
Essentials**

*Brad Roybal, DNAV*

*Mike D (Adachi), DNAV*



Brad Roybal

- Data Network Technology
- Everything from Layer 1 to How to Make AoIP work.
- Setting up an AoIP Network

Noon – Lunch (provided)

*Palm Garden Ballroom F*

– Sponsored by Nautel



1 p.m. – 3 p.m.

*Grand Libelle Ballroom D and E*

**Surviving a Ransomware Attack**

*Nancy Douglass, WLKG Radio*

*Jeff Welton, Nautel*



Nancy Douglass



Jeff Welton

- Surviving a Ransomware Attack
- Information Security
- Virtualization

3 p.m. – 5 p.m.

*Grand Libelle Ballroom D and E*

**Radio Frequency Transmission– High Power,  
High Risk, High Reward**

*Steve Wilde*

*Jeff Welton, Nautel*

*Bill Hubbard, MTI*



Jeff Welton



Bill Hubbard

- Transmitters, Antennas, Towers, Coax and Lighting
- Exciters
- Site Safety and Grounding Considerations
- VSWR Calculation, Measurement, and Impact
- RF Spectrum for Broadcasters

**Join the Summer Conference**

5 p.m. – 7 p.m. **Reception** *Lakeview Room and Patio*

7 p.m. – 10 p.m. **Dinner** *Elkhart Lake Ballroom*  
**Dinner entertainment: Riley Haupt**

8:30 p.m. – 10 p.m. **Bonfire** *South Bonfire Pit*

# THURSDAY - JUNE 15

8 a.m.-6:30 p.m. **Registration**

8 a.m. **Breakfast**

8:30 – Noon

*Grand Libelle Ballroom D and E*

## Low Power Radio Frequency Systems

*Steve Wilde*

*Jeff Welton, Nautel*

*Scott Michaels*

*John Pfankuch*



Jeff Welton



Scott Michaels



John Pfankuch

- Troubleshooting a Radio Frequency System
- Small Scale Yet Very Important RF Systems
- Wireless Microphones
- IFB Systems
- STLs and TSLs

Noon – Lunch (provided)

*Palm Garden Ballroom F*

– Sponsored by Nautel



1 p.m. – 2:30 p.m.

*Grand Libelle Ballroom D and E*

## I Am a Chief Operator! What Do I Do?!?!?

*Tom Weeden, WBA ABIP*

*Clif Groth, WBA ABIP*

*Tim Laes, Midwest Communications*



Tom Weeden



Clif Groth



Tim Laes

- The Role of a Chief Operator
- Documentation and Legal Requirements
- EAS Considerations
- Preparing for an FCC Inspection
- The WBA Alternative Broadcast Inspection Program

2:30 p.m. – 5 p.m.

*Grand Libelle Ballroom D and E*

## Time for a Tour – Putting It All in Perspective

*Tim Laes, Midwest Communications*

- Radio Station and Transmitter Site Tour – Sheboygan
- Wrap up, Feedback, and Next Steps



Tim Laes



Supported by a generous endowment from the estate of WBA Hall of Fame broadcaster, Duke Wright

Don't forget!  
2023  
BROADCASTERS  
CLINIC

OCTOBER  
10<sup>TH</sup>–12<sup>TH</sup>



[wi-broadcasters.org](http://wi-broadcasters.org)



Wisconsin Broadcasters Association



@WIBroadcasters

[@wisconsinbroadcasters](https://www.instagram.com/wisconsinbroadcasters)

