



# ETA International

2019 and 2020

Board of Directors

## CHAIRMAN

**John Baldwin, CETsr**, retired after being involved in electronics and wireless education for 39 years with 28 years of teaching at the college level and 11 years with industry/military experience. He served in the U.S. Air Force as a radio communications specialist. He taught electronics and wireless communications at South Central College in Mankato, MN as well as Riverland Technical College in Faribault, MN. As a charter member of ETA, Baldwin previously held the executive board positions of Chairman and Treasurer. He is ETA-certified in Communications and Commercial Audio; an IEEE member; holds an FCC GROL commercial license and Amateur Radio License; is a life Disable American Veteran member; and is an ETA certification and FCC exam administrator. He served as the chief executive editor for the 2008 and 2010 Associate CET study guides. Baldwin was the recipient of the ETA Pete Award in 2001 and the ETA President's Excellence Award in 2013 and in 2006, he was the recipient of the GWEC Wireless Educator of the Year award.

## VICE CHAIRMAN

**Ira Wiesenfeld, P.E., CETms**, has been involved with commercial radio systems since 1966. Currently, he is the president and principal engineer at IWA Technical Services Inc. (IWATSI), which provides engineering services and technical training in the land mobile radio and paging industry. He has a BSEE from Southern Methodist University in Dallas, TX; holds an FCC GROL; has an Extra Class amateur radio license; and is a licensed Professional Engineer in Texas. His experience has included broadcast engineering; LMR system design, installation, and maintenance; manufacturing; training on electronic and communications systems, including PIM and Antenna Line Sweep testing; utilization of communications service monitors; radio paging systems; and military communications systems. Wiesenfeld has served on the executive committee as Chairman, Vice-Chairman, Secretary and Treasurer for ETA International; and he has played a pivotal role in the development of new certifications, including the WCM, USMSS, FDR/LAS, GCT 1, GCT 2, RFIM and PIM. He also was a major contributor in the development of the FCC GROL currently used today. Wiesenfeld has authored and co-authored numerous books, and has also authored over 55 magazine articles on radio related technology and applications.

## **SECRETARY**

**Chris Miller, CETsr**, is a professor and program coordinator at Heartland Community College in central Illinois, where he created and developed the Renewable Energy and Sustainable Energy Associate degree programs. In his capacity as Electronics and Mechatronics programs Program Coordinator, he takes a class to Belize and installs solar at a Marine Research Island and also develops curricular links with partner colleges in China. He is an active Coast Guard Auxiliary member, specializing in communication and emergency preparedness and is a ham radio operator, N9RKD.

## **TREASURER**

**William "Bill" Bailey, PhD**, began his electronics career when he entered the United States Navy. As a calibration/repair technician, he honed his skills repairing various items of precision measurement equipment (PME). As a naval electronics instructor, he taught Micro/Miniature (2M) Solder Repair and certified fleet 2M solder technicians and radar fundamentals associated with airborne moving target indicator (AMTI) radar systems. Upon military retirement, he began teaching math and electronics at ITT Technical Institute, where he became Chair of the School of Electronic Technology, Indianapolis, Indiana campus. Currently, he is an adjunct professor at Embry-Riddle Aeronautical University World Wide Campus.

## **COMMUNICATIONS DIVISION CHAIR**

**Richard Agard, RESlma**, has been in the electronics field for over 30 years and is an experienced educator with over 25 years teaching experience at the Philadelphia Wireless Technical Institute, Penn State University and the Engineers Club of Philadelphia. He is presently a technical instructor at Southeastern Pennsylvania Transportation Authority, where he is developing programs in advanced electronics and positive train control.

## **COMMUNICATIONS DIVISION SECRETARY/TREASURER**

**Jay Thompson, CETsr**, is a senior field engineer whose career spans over four decades. Some of his most notable accomplishments include designing and installing the first fuel telemetry system used in Indy Car racing as well as winning an Emmy award for outstanding technical remote video engineering. While installing and servicing public safety two-way radio and paging systems in Indiana and California for Thompson Communications, he has also spent the last decade as a communications unit leader for the US Department of Homeland Security and US Department of Health and Human Services - Disaster Medical Assistance Team CA-4. His deployments include national emergencies, counter terrorism missions and hurricanes Katrina, Gustav, Ike and Sandy, where he was in charge of all IT and communications gear for 50-person teams.

### **EDUCATION DIVISION CHAIR**

**James ‘Joe’ Goudy, CETsr**, had a 29-year career in industry as a Senior Certified Electronics Technician working for ANR Pipeline, where he was responsible for the installation, operation and maintenance of a portion of ANR’s private industrial microwave telecommunications system and associated equipment. He took an early retirement from ANR and soon after, began teaching for Indian Hills Community College in Ottumwa, Iowa. He is also an amateur ‘ham’ radio operator, call sign NOJG, a 40 + year member of the ARRL, a member of the Radio Club of America and a volunteer amateur radio examiner.

### **EDUCATION DIVISION SECRETARY/TREASURER**

**Karl Eilers, LAS**, has worked as an electronics technician and engineer for 50 years with an emphasis on pro audio. His varied experience includes sound for a Billy Graham crusade and design and construction of the audio system at the Valleyfair! theme park near Minneapolis, Minnesota. He writes and lectures on speech intelligibility, commercial audio and 70-volt speaker systems. Eilers is the publisher and principal author of the study guides for the ETA Electronics Modules 1-5 certifications and contributed to the forthcoming Systems Level Technician handbook.

### **CERTIFIED TECHNICIAN DIVISION CHAIR**

**Joshua Copeland, CST, NST**, is a Senior Cyber Security Engineer with General Dynamics Information Technology in Louisiana after retirement from 20 years of honorable service with the United States Air Force where he cultivated decades of experience leading teams and managing compliance/security. In his current role, he oversees the management of end point security for multiple federal and state agencies, architecting solutions for vulnerability management and threat protection. In previous roles, Copeland has held the distinction of appointment as Cyber Security SME to the home of the Installation Threat Working Group for the home of the Air Force’s Nuclear Weapons Major Command and served on the RAND study for Industrial Control Systems (ICS) vulnerabilities to command and control systems with emphasis on cyber to kinetic attack.

### **CERTIFIED TECHNICIAN DIVISION SECRETARY/TREASURER**

**John Zielinski, CETma**, retired after about 42 years in the electronics field, mostly as a technician. He spent a few years back in the 1970s maintaining radio stations under contract. The last few years, he worked in contract manufacturing doing testing of finished products and conformal coating in New York.

### **SHOP DIVISION CHAIR**

**Judith 'Judy' Hill, CETsr**, began her career in electronics in 1981 when she joined the United States Navy as an Electronic Technician (ET). After serving for six and a half years, she went to work for Motorola, Inc. and rose from a Pager Technician to a Field Technician during her seven years with the company until she began working for Day Wireless Systems (DWS), where she began to work on increasingly larger and more complex systems from Smartnet- Smartzone to Simulcast during her 17 years there. Hill is currently the Shop Manager at Island County Emergency Services Communications Center in Oak Harbor, Washington where she is responsible in the design, installation and maintenance of eight simulcast systems for all public safety and Fire agencies in Island and San Juan Counties.

### **SHOP DIVISION SECRETARY/TREASURER**

**Armando Montiel, EEE, CETsr**, has been evolving on the wireless communications arena since 1977, working in sales, service, design and support of electronic communications equipment, communications sites, communications towers, CCTV surveillance systems, access control, telephony, and networking. Most of these years, he was managing his own company in Mexico which provided radio communication and security services to commercial and government areas along the northern border. Currently, he is the general manager and managing partner at RZ Communications Laredo, a Motorola Channel Partner responsible for service and support to all Motorola Public Safety customers in the city of Laredo, Texas and surrounding areas.

### **CABLING DIVISION CHAIR**

**Paul Neukam, DCI, FOI, FOT-OSP**, began his career in the Information and Communications Technology (ICT) field as an estimator and project manager in 1997 as Director of Infrastructure Services for Matrix Integration, where he developed and implemented a technician apprenticeship training program that was approved by the U.S. Department of Labor Bureau of Apprenticeship and Training (BAT) and the Department of Veterans' Affairs as a bona fide Apprenticeship Program. Currently, he is a contract instructor for Associated Builders and Contractors (ABC) of Indiana and Kentucky. Additionally, he is a contract instructor and exam proctor for BTS Training. He co-founded SiteWise Systems in 2008, after more than a decade of Information and Communications Technology (ICT) contracting experience, with a networking systems integrator serving the Midwestern United States.

### **CABLING DIVISION SECRETARY/TREASURER**

**Sean Sheedy, FOI, FOT-OSP** has extensive industry experience which includes installation, troubleshooter, emergency restoration technician design, inspector, consultant, trainer and published author. You can find him still working in the field in many of these capacities. His experience spans the divisions of the military, various government agencies, federal and state prisons, the traditional commercial market, as well as the private sector. He holds 30 industry certifications that include instructor certificates from ETA. Based out of Idaho, Sheedy is a senior instructor of fiber optics for Light Brigade.

### **RENEWABLE ENERGY DIVISION CHAIR**

**Jay Warmke, PVI-LVL1, SWI**, is co-owner of Blue Rock Station, a sustainable living center in Philo, Ohio that features the first Earthship, a 2,200 sq. ft. passive solar home constructed out of garbage, where more than 30,000 people have visited or taken training to learn how to enjoy a truly sustainable lifestyle and earn a lucrative career in renewable energy. Warmke has served as vice president of the board of directors of Green Energy Ohio and is currently the president of the International Certification and Accreditation Council. In 2015, he was elected to ETA's Board of Directors and for the past five years, has served as Chair of the Renewable Energy Committee. Currently, he serves as instructor in renewable energy at the Central Ohio Technical College and for Marcraft, is the author of numerous green technology books and is an 'Insight' contributor to EcoWatch Journal and also volunteers as the national co-chair of the Skills USA Sustainable Solutions contest. Along with his wife, Annie, he was presented the 2009 Sustainable Living Award from Rural Action Ohio, and Green Energy Ohio named him "Pioneer of the Year" in 2011. He was also named the Electronic Technician's Association Educator of the Year for 2013 and received the 2017 ETA "Pete" Award as Outstanding Officer/Committee Person.

### **DIRECTOR OF INTERNATIONAL RELATIONS**

**Johannes 'John' Bakkeren, CESma**, was born in Vancouver, British Columbia, Canada of Dutch parents. Soon after, his family moved back to The Netherlands, where all his formal schooling was completed. He earned his first professional certification as a Certified Electrician and worked as an electrician before he was hired as a Radio Technician for the Dutch Federal Police. Ten years later, he began his job as a Radio Technician at the Toronto Police Service, where he was later promoted to Senior Radio Technician in charge of the mobile radio repair section. Bakkeren was introduced to ETA during an employer-mandated training course, the Communication Site Installation Inspector (CSII), with a CES (senior technician) accreditation. He was later hired as Senior Systems Technician with the Peel Regional Police Service radio shop in Brampton, Ontario where he is responsible for the second tier maintenance of all the mobile and portable radios in use by the police service.

## **DIRECTOR OF CHAPTER RELATIONS**

**Richard W. Booth, CETma** was the Detachment Production Superintendent for Field Training Detachment 211 at Davis-Monthan Air Force Base prior to his retirement. During his 20+ years Air Force career, he personally conducted over 9,400 formal classroom hours for 1,050 aircraft technicians. As Detachment 211's lead instructor, Booth also acted as an intra and interservice liaison for the United States Navy's Miniature/Microminiature circuit card repair program. Additionally, he personally developed courseware and oversaw courseware development for 60+ Air Force electronics, avionics and information technology courses. As part of his duties, Booth directed and managed the Detachment's IT department in support of LAN operations and offsite database security. Currently, Booth is the Interactive Digital Media instructor for Empire High School in Tucson, Arizona.

## **BOARD OF MASTERS CHAIR**

**Shane Morris, CETma**, has over 30 years of experience in the electronics industry and has been with Motorola for 20 years, currently serving as a Technical Support Manager and Electrical Administrator in Buckley, Washington. He is a member of the Motorola R56 committee and has played an instrumental role in the development and updating of the Motorola R56 manual. In addition, he teaches classes to Motorola employees, shops and contractors.