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HVAC School
For Techs by Techs

ATTENDEES GUIDE

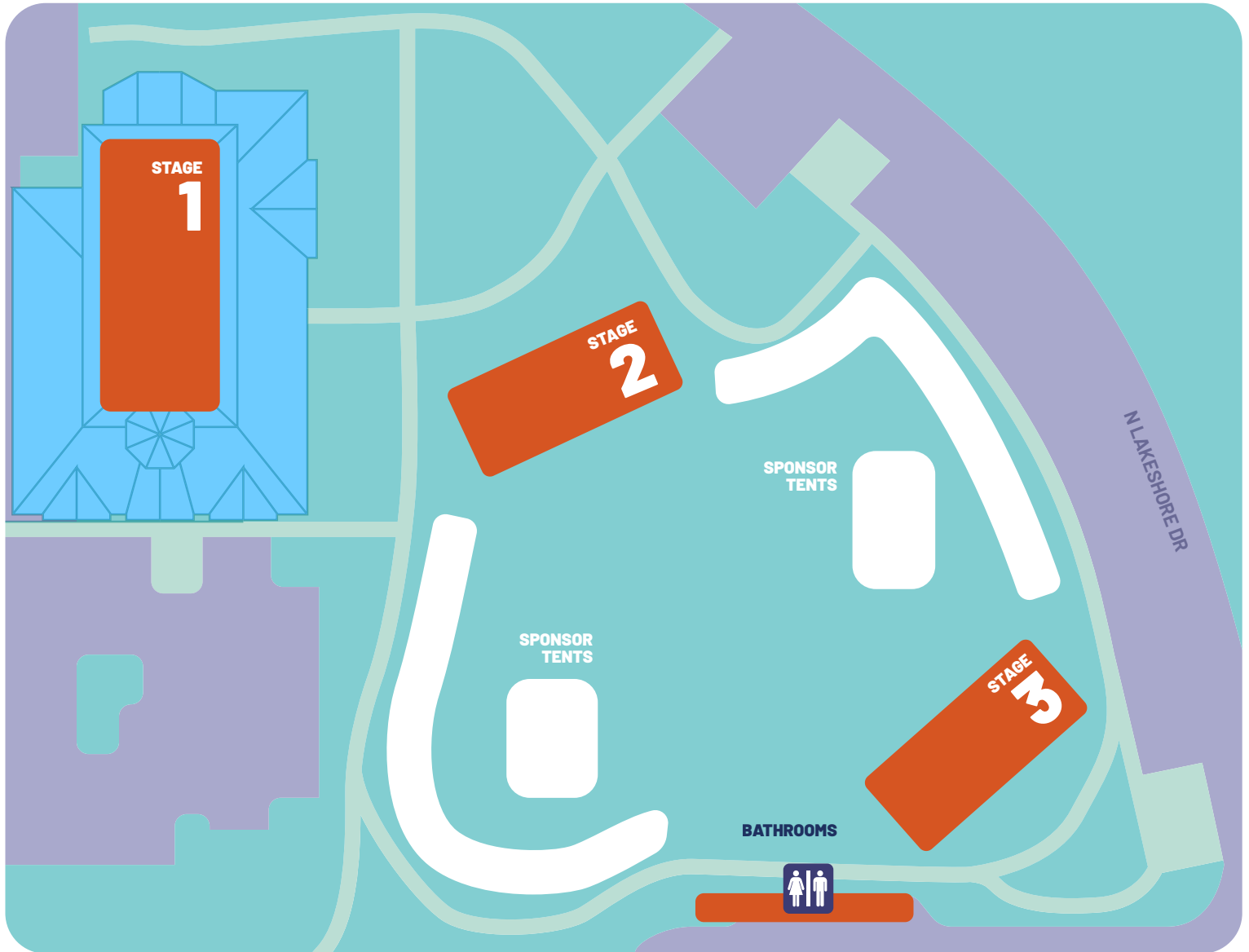


PRESENTED BY:



**Tru
Tech
Tools®**

Quality Tools. Essential Support.



At **GRIT**, we bring together highly trained experts across the trades industry and help set up training camps and educational seminars that are fun and immersive for young people from elementary to high school. These camps help to foster creativity and curiosity while opening the door to a fulfilling career in any of the trades: HVAC, Plumbing, Electrical, Refrigeration, Carpentry & more!

Visit us at:
www.thegritfoundation.com



■ Our mission is to raise awareness of the need for more workers throughout the skilled trades.



SCHEDULE:

DAY 1 FEBRUARY 6 2025

TIME	STAGE #1	STAGE #2	STAGE #3
7:00 - 7:45 AM	BREAKFAST		
7:45 - 8:10 AM	INTRODUCTION		
8:10 - 9:00 AM	Craig Migliaccio Heat Pump Refrigeration Cycle	Chris Hughes & Steve Rogers- HVAC Forecaster™ An Interactive game for training and retrofit replacement	Anthony Knighton The Fundamentals of Surge Protection
9:10 - 10:00 AM	John Semmelhack Beyond Manual J	Jennifer Manzo The 10 Boiler Commandments	John Ellis The Science of Filtration
10:10 - 11:00 AM	Alex Meaney Understanding Airflow: David Bowie, a Used Car Lot, and a 40¢ Tool	Nate Agentis Grow Your Business and Don't Burn Out	Chris Hughes and Adam Mufich The Cornerstones of Inverter Equipment Commissioning
11:10 - 12:00 PM	Chris Mohalley AC/DC, PWM, Serial Communication ...80's rock bands or ECM communication methods?	Bruce Manclark Good COP, Bad COP: Improving Heat Pump Savings in Utility Programs	Ed Janowiak Starting Pressure is Key
12:00 - 1:10 PM	LUNCH		
1:10 - 2:30 PM	Bryan Orr 10 Things I've Learned in the Last 10 Years	Rachel Kaiser & Dirk Nauman Animation of Combustion. The Burner and the Brains	Adam Mufich Fan Law 2 for Techs
2:40 - 4:00 PM	Nikki Krueger, Tim De Stasio and David Treleven Tackling the Unknown with Data & Common Sense in Sizing & Installing Dehumidifiers	Steve Coscia Soft Skills Classroom Resources	Jim Fultz Troubleshooting Gas Furnaces Accurately and Efficiently
4:00 - 4:50 PM	David Richardson The PATH to High Performance HVAC: A Step-by-Step Approach	Trevor Matthews Taking the Fear out of CO2 and Low Flammable Refrigerants	Sam Myers The MAD House
4:50 - 5:00 PM	CLOSING		

DAY 2 FEBRUARY 7 2025

TIME	STAGE #1	STAGE #2	STAGE #3
7:00 - 7:45 AM	BREAKFAST		
7:45 - 8:10 AM	INTRODUCTION		
8:10 - 9:00 AM	Eugene Silberstein Pressure Enthalpy Without Tears	Chris Hughes, Steve Rogers, John Tooley, Gary Nelson & Anthony Cox MAD Air Madness - Surviving The House of Pressure	Matthew Taylor EPR's: What they do, and how they impact the entire Parallel Rack
9:10 - 10:30 AM	Corbett Lunsford The 5 Factors of Ventilation	Tyler Nelson Combustion Analysis The Essentials to Prosper Now and in the Future	Dominick Guarino How to Make High Performance HVAC Profitable
10:40 - 12:00 PM	Jason Julian, Tersh Blissett, Dustin Cole and Chad Simpson Business Processes and Procedures that Make a Difference	Eric Kaiser What the Heck are User Requirements	Kevin Hart & Tim De Stasio Mastering IAQ Controls for Healthier Homes
12:00 - 1:10 PM	LUNCH		
1:10 - 2:00 PM	Ty Branaman HVAC Science	Tony Gonzalez Combustion Analysis I/C & S/T - Safety & Industry Best Practices	Louise Kellar Tool Selection
2:10 - 3:00 PM	Ross Trethewey Introduction to Air to Water Heat Pumps	Roman Baugh Communication Is Key	Shelby Breger, Bill Spohn, Jason Julian, Michael Housh, Greg Kula Don't Fear Technology
3:10 - 4:00 PM	Allison A. Bailes III A Layered Approach to IAQ	Zach Ortwine Ethical Duct Cleaning	Sam Myers and Dr. Niek-Jan Bink Home Comfort: A TAB worth paying
4:10 - 5:00 PM	Russell King, ME and Wes Davis The NEW ACCA Manual S User's Guide	Joe Medosch Company culture, whats your role? Are you contributing to a positive or toxic environment?	Brynn Cooksey IAQ for the HVAC Technician
5:00 - 5:15 PM	CLOSING		

ACCESS TO VIRTUAL SESSIONS:

ALL VIRTUAL SESSIONS MADE POSSIBLE THANKS TO: MITSUBISHI

We will be streaming only the main stage live during the event.

All sessions will be recorded, and ticket holders will be able to watch and rewatch all sessions on our website after the event at: <https://www.hvacrschool.com/symposium>.

1- Navigate to the symposium events page

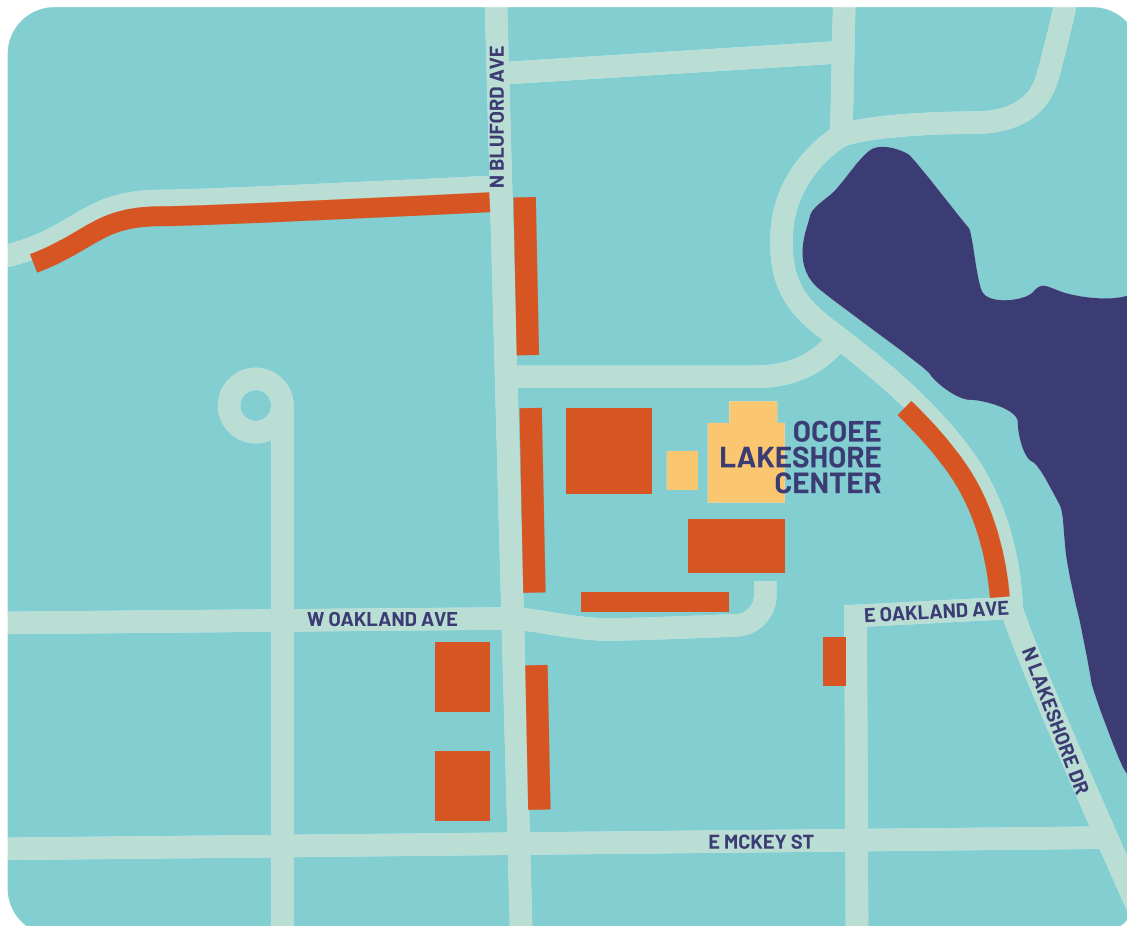
Go to <https://hvacrschool.com/> and navigate to Events (at the top of the page) and **6th Annual HVACR Training Symposium 2025**

2- Scroll down to view the interactive schedule of events

3- Click on any of the events to view the details

- ▶ Event dates, times, and videos become available after registering and purchase of a virtual ticket
- ▶ Scroll down and click on any of the speakers to view their details
- ▶ Questions & comments can be posted even before the session starts or afterwards

PARKING ZONES MAP:



Any orange areas are free parking zones throughout the event

VAN SHUTTLE SCHEDULE:



The van schedule for the hotels listed on our symposium page (**Fairfield Inn & Suites Orlando Ocoee, Home2 Suites by Hilton Winter Garden, Hampton Inn Ocoee**) will run every **20 minutes**, starting at **6:30 AM** and ending at **8:00 AM** in the morning.

These vans will also transport passengers at the end of the event each day.

If the van has not arrived and you are in need of a ride, please call: 352-431-8258 to request a pick up.



Parking is available throughout Ocoee. All items highlighted in orange on the map are free parking throughout the entirety of the event

NATE CEUS



Within 4 weeks of the symposium finishing, you will receive an email letting you know that quizzes have opened up for all symposium sessions.

This email will include instructions showing you how to access the quizzes.

- ▶ You will receive 16 hours NATE CEUs upon passing 16 of these quizzes.
- ▶ You will receive a certificate for each quiz you complete and a certificate with your average score for all completed quizzes.

You must pass 16 quizzes to receive ANY NATE credits. Passing 1 quiz \neq 1 NATE hour.



NEED ASSISTANCE?

You can text **(352)-243-7099** to speak with one of **Kalos's CSRs**, who will then direct your questions or concerns to the proper parties.

AFTER PARTIES

Happy Hour at The View

Date: **Thursday, 02/06/2025**

Time: **7:00 - 9:00 pm**

Address: **2601 Clermont National Dr.
Clermont, FL 34711**

**Drinks will be available from 7-9 only.
Food available for purchase.**

Happy Hour at The View Sponsored By:



**REFRIGERATION
TECHNOLOGIES**

The **VIEW**

Post Symposium Meet-up at The Crooked Can Brewing Company

Date: **Saturday, 02/07/2025**

Time: **7:00 pm**

Address: **426 W Plant St, Winter Garden, FL 34787**

**Meet up at the Crooked Can in Winter Garden!
Spend some quality time getting to know your fellow attendees, speakers and sponsors!**



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(No Password Needed)
Need WiFi assistance? **Send us a text at 352-366-8811.**

CONTRIBUTORS:



Adam Mufich worked for his family business until the year 2012, when the company was sold. This was the birth of A-Team Heating and Air. A-Team aimed to solve their customer's comfort issues while delivering the best craftsmanship possible. He holds or has held certifications with N.A.T.E., National Comfort Institute, Geothermal Alliance of Illinois, and ACCA. Adam has also been trained by measureQuick, The Energy Conservatory, and Daikin. Adam is a co-host for the HVAC Overtime and Cooler Heads podcast. He works with the social media team at HVAC School and has written for NCI and other organizations.



Alex Meaney is the Owner of Mean HVAC Consulting. He spent the bulk of his career prior as Wrightsoft's Director of Training and is currently a technical advisor to the Air Conditioning Contractors of America (ACCA) and a trainer to anyone willing to listen to him.



Dr. Allison Bailes is a building science expert who has spoken at many conferences, written several informative articles on The Energy Vanguard Blog, and published a book, A House Needs to Breathe... Or Does It? He has received a formal education in physics and has taught that subject at the high school and college levels. Nowadays, he applies that subject knowledge to his personal areas of interest: high-performance and green buildings.



Anthony Cox is the Building Science Manager and Lead Trainer at Community Housing Partners, Energy Solutions division, with over 30 years of experience in Weatherization. Since 1999, he has played a vital role in developing and delivering training programs internationally for the home performance industry. Anthony is the creator of widely recognized training tools like House of Pressure® and H.A.M. House®, designed to illustrate building science principles effectively. Holding a business management degree and licenses in Master HVAC and Residential Building Analysis in Virginia, Anthony is also certified by the Building Performance Institute. Anthony is actively involved in national committees, contributing to the development of industry standards.



Anthony Knighton is a Florida State University graduate with a BS in business management, an energetic father of four, and a technology evangelist. He started his career with Arrow Electronics and took on several roles during his 18-year employment, including outside sales, warehouse management, and component engineering. Over the years, Anthony became extremely proficient in LED lighting and wireless designs in the central Florida market. In 2015, Anthony joined Ditek in the role of Technical Sales Manager and now consults with low-voltage and high-voltage integrators about the need for surge protection in their design applications. Some of his favorite activities are re-building vintage motorcycles, scuba diving, and traveling.



Bill Spohn is an industry leader with over 30 years of experience in HVAC, building performance, and test instrumentation, and he serves as the President and CEO of TruTech Tools, Ltd. A professional engineer (PE) with degrees from the University of Rochester and Rensselaer Polytechnic Institute, Bill is dedicated to providing accurate and reliable tools for industry professionals. His passion for education, safety, and efficiency shines through his work as a speaker, educator, and advocate for best practices in the field.



Bruce Manclark is a nationally recognized leader in residential energy efficiency and building performance. With over 40 years of experience, he has made significant contributions to the field through his work in HVAC system installation, energy efficiency technical training, and quality control testing. Currently, Bruce serves as a Senior Technical Advisor at Earth Advantage, where he provides consultation and guidance on technical training, building science research, and program quality assurance.



Bryan Orr is the founder of HVAC School. Established in 2016, HVAC School produces free educational podcasts, videos, and tech tips for HVAC and refrigeration professionals.



Brynn Cooksey, CMS, RCT, has been in the HVACR and Electrical industries for more than 18 years. He started as an employee of his family's business and currently works as a Professor at Henry Ford College, and he instructs in the HVACR Technology, Power Engineering, and the Electrical Divisions. Cooksey specializes in industrial HVACR maintenance, service, equipment-performance testing, and electrical power generation. Brynn also serves as the Regional Director for Regions 8 and 11 and he is also a member of the Education and Examination Board. Additionally, Brynn is the President and Education Chairman for the Michigan State Association of RSES. An active member of many trade organizations, including ACCA, ASHRAE, and RSES.



Chad Simpson is the owner and CEO of Simpson Salute Heating and Cooling, an Ohio-based HVAC contracting company. He has acquired several other businesses and was featured in The NEWS 2021 Top 40 under 40 HVACR Contractors.

He established an operations book with job descriptions, stocking lists for service and install vehicles, career path planning documents, core values, organizational alignment charts, KPI targets, business processes, and P&L management goals to guide his businesses while providing consistency to all those involved in it.



Chris Hughes, a native of South Louisiana, brings nearly two decades of experience in the HVAC industry. With an initial 18-year tenure as an HVAC mechanical contractor, Hughes developed a deep understanding of heating, ventilation, and air conditioning systems.

Transitioning to The Energy Conservatory in the spring of 2021, he serves as the Director of Sales, focusing on initiatives to merge building science and HVAC communities.



Chris Mohalley is the training manager at Regal Rexnord. He has written for ACHR News and tends to center his training on blower motors, especially ECMs. Chris is a veteran speaker at the HVACR Training Symposium and has also appeared on several HVAC School podcast episodes about blower motors and airflow performance.



Corbett Lunsford is an expert in home performance diagnostics, specializing in building science, ventilation design, and advanced home testing, with extensive experience in optimizing the invisible dynamics of home environments

including physics, chemistry, and microbiology and applying this knowledge to projects like high-performance homes and educational content, with a focus in the session on designing ventilation systems that incorporate circulation, filtration, humidity control, dilution, and pressure relief.



Craig Migliaccio is an educator who runs the AC Service Tech website and YouTube channel. He is also the author of Refrigerant Charging and Service Procedures for Air Conditioning and its workbooks, as well as Inverter Mini Split

Operation and Service Procedures. He has done training on several aspects of the HVAC profession, though he has recently focused on inverter mini-splits.



David Richardson joined the National Comfort Institute full-time in 2010 as a curriculum developer and trainer and is now the vice president of training. In this role, he guides practical, real-world training focused on the HVAC and Home

Performance industries. David has been involved in High-Performance Contracting™ since 2001. This experience allowed him the opportunity to diagnose and correct many HVAC and Home Performance issues over the past two decades.



David Treleven has worked in the construction field for over 20 years and has focused on building science/HVAC for the last 13 years. He has been a laborer, construction manager, consultant, researcher, product ideator,

applications expert, program designer, trainer, college lecturer, and innovation leader. Bringing together knowledge from all his experience, he truly understands the people, the process, and the products that combine to create a successful project.



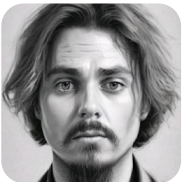
Dirk Nauman serves as a Carrier Commercial Training and Service Manager for the Habegger Corporation. As a commercial field service representative, he saw a need to create methods for assisting technicians in

understanding the HVAC Fundamentals. This endeavor grew into a company. As owner of Nauman Innovation Group LLC, he created the HVAC Simulator. The mission of the HVAC Simulator is to bridge the gap between theoretical knowledge and practical skills through immersive and interactive simulations. In 2024, HVACR Anatomy will be released. An educational product using models and animations to increase mechanical aptitude through the digital world.



Dominick Guarino is the current chairman & CEO of NCI who has been with the company since its humble beginnings in 1994. He writes the "One More Thing" column for High-Performance HVAC Today and leads business management

and soft skills training sessions. He has acquired extensive management and curriculum development experience throughout his career.



Dustin Cole started in the HVAC/R trade at age 15 and has since aided the daily operations of Cole Air, a business founded by his father. He has been the business manager for over 10 years and brings technical knowledge and business

management experience to the table.



Ed Janowiak is the Manager of HVAC Design Education at ACCA. He is well-versed in the ACCA manuals and spends most of his time educating others about their practical applications, especially as they relate to

HVAC system design and installation. Ed has also owned an HVAC and energy consultation company, worked as a full-time trainer, and serves as a consultant for TEC.



Eric Kaiser A self-described "Geek of all things HVAC and indoor comfort," Eric's approach to life is: "Be curious." He joined the HVAC industry in 2004 as a residential service technician and quickly learned there was a lot more

that goes into keeping people comfortable and healthy than what meets the eye. Since then, he has held many positions and now enjoys the role of Industry

Engagement Manager for TruTech Tools, Ltd., where he helps to fulfill their purpose of "Helping Technicians Create Better Environments for People." Eric holds HVAC educator certifications from HVAC Excellence, sits on the Executive Committee of RSES, is a co-host of the Building HVAC Science podcast, and contributes to the HVAC/R and Building Performance industries in many other ways.



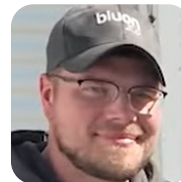
Eugene Silberstein Over the past forty-four years in the HVACR industry, Eugene has pretty much done it all! From field technician and system designer to company owner, teacher, administrator, consultant, college

professor, and author, Eugene is currently the National Programs Director at HVAC Excellence. Eugene served as the subject matter expert and author/co-author for many of the textbooks used in over 1000 HVACR training programs across the country. Book credits include Refrigeration and Air Conditioning Technology, presently in its 10th Edition, published by Cengage Learning. Other book credits include Refrigeration and Air Conditioning Technology, 6th, 7th, 8th, and 9th Edition, Residential Construction Academy: HVAC, 1st and 2nd Edition, Pressure Enthalpy Without Tears (2006, 2014), Heat Pumps, 1st and 2nd Editions, Print Reading for HVAC, 1st and 2nd Editions (Goodheart-Willcox, 2021), and Psychrometrics Without Tears (2014).



Gary Nelson set the mission for TEC over 40 years ago to make diagnostic tools that help the industry deliver better-built environments that deliver better energy usage, comfort, indoor air quality, safety, and durability. Gary

is a member of several committees, and is widely recognized for his expertise in making pressure and flow measurements and how to apply them in testing of buildings and mechanical systems. Gary is the inventor of Minneapolis Blower Door™, Minneapolis Duct Blaster®, TrueFlow® Grid, and Fog Puffer™. Gary is a physicist and engineer from St. Olaf University.



Greg Kula is a graduate of SUNY Delhi with a degree in electrical and plumbing construction. He spent a year in Rochester, NY, receiving a certificate in HVAC-R and solar thermal. He is NATE and EPA certified. After a long day of

work, Greg enjoys spending time hiking, camping, hunting, and fishing.



Jason Julian is a small business owner in the HVAC industry. He owns and operates Julian Heat & Air in Arkansas and has extensive experience in executive positions in other companies within the industry.



Jennifer Manzo (also known as HvACHicks Jennifer) is an HVAC/R engineer and influencer. She founded the HVA-Chicks Coalition, which offers free tech support and resources to all technicians with a specific focus on empowering women in the industry.



Jim Fultz With over 35 years of experience as a technician and contractor-owner, Jim Fultz brings a deep knowledge and understanding of the HVAC market. Along with graduating from R.E.T.S. HVAC Tech School, he also holds Degrees in Business Management & Marketing. Jim loves to share key insights of HVAC wisdom that technicians can use to improve their skill set and services.



Joe Medosch specializes in home health and safety as well as building performance. He used to work with Hayward Score but now works as a client success manager with measureQuick. He also has his own consulting company.



John Ellis is a field service trainer and HVAC business owner with over 40 years of industry experience. He has worked as an instructor for Daikin and a field service trainer for The New Flat Rate. He has recently been named the Business Development Manager for The New Flat Rate while also operating his own consulting firm, Dynamic Air Consulting.



John Semmelhack is co-owner of The Comfort Squad LLC, the leading home performance contracting firm in central Virginia. The Comfort Squad designs and installs all-electric HVAC and hot water systems for their new construction and retrofit clients, blending comfort, healthy indoor air, and energy efficiency.



John Tooley started building houses in 1979 and penned "Pressure Balancing a House & MAD-AIR" in 1986. He was inducted into the Building Performance Institute's Hall of Fame for lifetime commitment and dedication to the Home Performance Industry and was the 2013 recipient of the

Tony Woods Award for Excellence in Advancing the Home Performance Industry. He has been the principal designer of some of the largest building programs in the nation.



Kevin Hart Former Journeyman Redseal Electrician turned founder and passionate IAQ advocate, Kevin's 10-year journey in the industry has taught him that you can't manage what you don't measure - and that without action, data can only get you so far.



Louise Kellar has spent the last 9 years in the HVAC industry educating contractors, wholesalers, and anyone who will listen on the dangers of Carbon Monoxide and how to perform combustion analysis. In addition, Louise has been a speaker at the HVAC educators convention and appeared on multiple podcasts and webinars to discuss the importance of test instruments.



Matthew Taylor is the current director of commercial refrigeration at Kalos Services and brings over 30 years of HVAC/R experience to the table. He specializes in refrigeration and has knowledge of parallel rack systems.



Michael Housh is the president of his own HVAC contracting company, Housh - The Home Energy Experts. He has also contributed several tech tips to HVAC School over the years, especially regarding natural gas heating, and participated in podcasts and panel discussions.



Nate Agentis grew up in Bethlehem, PA, and is a third-generation master plumber. With over 15 years of expanding leadership, he has led as CEO of a flourishing multi-million dollar plumbing service company, Nate identified a gap in the industry and founded Plumbing CEO—a comprehensive technician training and consulting initiative aimed at developing proficient plumbing business owners and service technicians. Nate's academic and professional credentials include various degrees and certifications in Plumbing, Management, Marketing, Seminary, and Hague Training.



Niek-Jan Bink is the director and co-owner of ACIN Instrumenten, a test instrumentation manufacturing company in the Netherlands. ACIN Instrumenten products focus on airflow measuring for indoor and outdoor environments; some products include the FlowFinder® and VentiFlow®.



Nikki Krueger is the Director of Marketing & Business Development for Therma-Stor's residential indoor air quality brand - Santa Fe freestanding dehumidifiers and whole house ventilating dehumidifiers. She has been

involved in the indoor air quality industry for over 20 years and is a RESNET-certified home energy rater, a member of the ACCA Manual Low Load Homes (LLH) Advisory Committee, sits on the building envelope committee for the Spray Polyurethane Foam Association, has completed the ACCA Residential Design for Quality Installation Certification, and recently served on the 2024 National Green Building Standard update committee.



Rachel Kaiser is a papered materials chemist, plus some other subjects, but she is a scientist & historian by passion. She has worked in academia and industry, always linking back to broadening education opportunities for

others, no matter the forum. Rachel likes to use stories to help relate diverse topics that might otherwise go unconnected.



Roman Baugh joined the Kalos Team as the Director of Commercial HVAC in 2023 after serving as the technical service manager for Daikin North America. He has extensive variable refrigerant volume/flow (VRV/VRF) system

experience and has been on several educational podcasts to share his knowledge of VRV/VRF technology.



Ross Trethewey is the founder and lead engineer of TE2 Engineering, as well as the Building Engineer on the TV show, This Old House and Ask This Old House. He is a licensed professional engineer in various states and earned both

bachelor's and master of science degrees in mechanical engineering from Tufts University. Ross lives with his wife and 2 sons in the Boston area.



Russ King is the CEO and founder of Coded Energy, Inc. He also has a master's degree in mechanical engineering, worked on the development of Kwik Model 3D software, and is the author of Introduction to Residential HVAC

Systems (2013).



Sam Myers is a building scientist and trainer for Retrotec where he teaches building performance concepts at conferences and training events, conducts field studies, and assists Retrotec with new product designs. Sam has also spent

several years as a building scientist with Advanced Energy — one of the most respected efficiency consultancies in North America — where he managed field operations for building performance programs and served housing developers that included Habitat for Humanity. He holds a Master of Science degree from East Carolina University, is a certified HERS Rater, and is a licensed real estate broker.



Shelby Breger is a Co-Founder of Conduit Tech, a platform building home evaluation and sales tools for residential HVAC contractors. Conduit's first solution is a mobile app that produces high-quality room-by-room HVAC load calculations,

2D floor plans, and 3D models of homes with detailed data on building materials integrated with sleek, customized sales materials in 15 minutes or less.



Steve Coscia is a customer service expert and official Certified Speaking Professional (CSA) with the National Speakers Association. He is the president of his own company, Coscia Communications Inc., and leads training

sessions about customer service, relationships, and retention.



Steve Rogers has been the President of The Energy Conservatory since 2017 and has been with The Energy Conservatory since 2015. He previously worked at Emerson for 20 years in technical and engineering roles focused on pressure

and flow measurement, and worked for Dwyer Instruments designing their electromagnetic flow meter and flow laboratories. Steve holds 15 patents, serves on several standards committees for ASME, ISO, and ASHRAE, and holds a Bachelor of Science in Mechanical Engineering from Brigham Young University.



Tersh Blissett is the founder and CEO of Service Emperor, an HVAC, electrical, and plumbing contracting business. He is also the host of the Service Mastery Podcast and has previous industry experience as a service manager.



Tim De Stasio Service tech, installer, designer, business owner, instructor, and self-proclaimed lifelong learner Tim De Stasio has been in the HVAC industry for 25 years and is one of the foremost IAQ and Controls experts today.



Tony Gonzalez has over 20 years of HVAC experience with Fieldpiece Instruments and has been leading Fieldpiece training since 2020. Tony presents courses nationally at conferences, partners with leading industry organizations, and is recognized everywhere for his how-to videos. Tony is committed to sharing the best practices that make HVACR technicians' jobs easier, faster, and better.



Trevor Matthews has over 20 years of refrigeration experience and is the founder of Refrigeration Mentor.



Ty Branaman is a Certified Master HVAC educator who started in the trade by building ductwork with his father in 1995. Nowadays, Ty focuses almost exclusively on HVAC education, helping others with their training programs, and creating educational content through his YouTube channel (Love2HVAC with Ty Branaman).



Tyler Nelson is the instrumentation & industrial sales manager at Sauermann and has over 20 years of HVAC industry experience. He served as the NJACCA president from 2015 to 2017 and has a mix of managerial, trades, and financial education and experience.



Wes Davis serves as the Technical Services Director for ACCA. He manages the development and maintenance of ACCA's American national standards and technical manuals. He oversees HVACR education and supervises Quality-Assured contractor accreditation. He oversees the representation of HVAC contractor interests in the model code development process. He directs responses to ACCA member contractor inquiries, as well as those from consumers and code enforcement officials. Wes was a NATE-certified technician and a licensed South Carolina HVAC contractor. He also wrote Bob's House, and he serves on ASHRAE technical committees and the RESNET's Standards Management Board.



Zachary Ortwine is the owner of Southeast Clean Air Solutions and has 7+ years of full-time, field-based duct cleaning experience. He is a 3x previous speaker for NADCA Fall Technical Conference, a NADCA Scientific Committee member, and serves as part of the ASCS and CVI Exam Writing task forces. He is certified with the National Air Duct Cleaners Association (NADCA) as a Certified Ventilation Inspector (CVI) and Air Systems Cleaning Specialist (ASCS), and he holds National Comfort Institute (NCI) certification for Duct System Optimization, Residential HVAC System Performance, and Residential Air Balancing.