Pre-Conference Program Guide

The Greenbrier Resort • April 2-4, 2020
Message from the President

Welcome to the 2020 NEBB Annual Conference.

It is my pleasure and honor to extend an invitation to you to attend the NEBB 2020 Annual Conference. I hope that you are able to attend and look forward to a conference that is educational, informative and entertaining.

The Greenbrier, America’s Resort, has been selected as this year’s conference venue. The Greenbrier is widely regarded as one of the finest luxury resorts around the world. Surrounded by the wondrous Allegheny Mountains, The Greenbrier offers exclusive services and amenities such as championship golf for our NEBB outing on the Meadows Course, fine dining, more than 55 activities, designer boutiques, a world-renowned mineral spa and an over 100,000 square foot gaming and entertainment venue.

We will be keeping with the popular three-track session format with educational topics that span all disciplines along with informative business presentations. We are also working with staff to bring in the many vendors that supply our industry with the products that we use in our daily business endeavors.

We have a full agenda planned so please take the time to read through all of the information provided. Also make sure to visit The Greenbrier web site to explore the many activities that they offer and register for them ahead of time to assure availability.

I look forward to seeing you at America’s Resort!

Thanks,

Jeff Schools
NEBB President
## 2020 NEBB Conference Schedule at a Glance

<table>
<thead>
<tr>
<th>TIME</th>
<th>MONDAY - MARCH 30</th>
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<tbody>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>NEBB Building Enclosure Testing Seminar (BET) for Certified Professionals</td>
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<table>
<thead>
<tr>
<th>TIME</th>
<th>TUESDAY - MARCH 31</th>
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<tbody>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>NEBB Building Enclosure Testing (BET) Seminar for Certified Professionals</td>
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<tr>
<td>12:00 pm – 5:00 pm</td>
<td>Annual Conference Pre-Registration Open</td>
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<thead>
<tr>
<th>TIME</th>
<th>WEDNESDAY - APRIL 1</th>
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<tbody>
<tr>
<td>7:00 am – 5:00 pm</td>
<td>Annual Conference Registration Open</td>
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<tr>
<td>8:00 am – 5:00 pm</td>
<td>NEBB Exam Day</td>
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<tr>
<td>8:00 am – 5:00 pm</td>
<td>Closed Committee Meetings</td>
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<tr>
<td>6:00 pm – 10:00 pm</td>
<td>NEBB Volunteer Appreciation Dinner</td>
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<tr>
<th>TIME</th>
<th>THURSDAY - APRIL 2</th>
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<tbody>
<tr>
<td>7:00 am – 5:00 pm</td>
<td>Annual Conference Registration Open</td>
</tr>
<tr>
<td>8:30 am – 3:00 pm</td>
<td>NEBB 23rd Annual Golf Tournament</td>
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<tr>
<td>10:00 am – 1:00 pm</td>
<td>Guest Event (Greenbrier Bunker Tour and Lunch)</td>
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<tr>
<td>4:00 pm – 5:00 pm</td>
<td>NEBB Past Presidents’ Meeting</td>
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<tr>
<td>5:30 pm – 6:45 pm</td>
<td>Opening Session: Welcome and Keynote Presentation</td>
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<tr>
<td>7:00 pm – 10:00 pm</td>
<td>Keynote Speaker: Scott Bloom</td>
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<td></td>
<td>Get Acquainted Reception</td>
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<thead>
<tr>
<th>TIME</th>
<th>FRIDAY - APRIL 3</th>
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<tr>
<td>7:00 am – 8:00 am</td>
<td>Breakfast</td>
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<tr>
<td>7:00 am – 5:00 pm</td>
<td>Annual Conference Registration Open</td>
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<tr>
<td>7:00 am – 5:30 pm</td>
<td>Exhibit Hall Open</td>
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<tr>
<td>8:00 am – 9:00 am</td>
<td>TAB Teach the Examiner Session</td>
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<tr>
<td>8:00 am – 3:45 pm</td>
<td>Technical Track Sessions</td>
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<tr>
<td>8:00 am – 9:30 am</td>
<td>TECHNICAL TRACK SESSIONS</td>
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<tr>
<td></td>
<td>Track 1: BSC and TAB – Matt Nelson</td>
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<td>Track 2: CPT and IAQ – Ghassan Elkhatib</td>
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<td>Track 3: Business and Leadership Practices – Young Professionals Network</td>
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<tr>
<td>9:45 am – 11:15 am</td>
<td>Track 1: BSC and TAB – #1 TAB Committee</td>
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<tr>
<td></td>
<td>Track 2: CPT and IAQ – Luis Chinchilla</td>
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<thead>
<tr>
<th>TIME</th>
<th>FRIDAY - APRIL 3 (continued)</th>
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<tbody>
<tr>
<td>11:15 am – 12:30 pm</td>
<td>NETWORKING LUNCHEON</td>
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<tr>
<td>12:30 pm – 2:00 pm</td>
<td>TECHNICAL TRACK SESSIONS</td>
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<tr>
<td></td>
<td>Track 1: BSC and TAB – #2 TAB Committee</td>
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<tr>
<td></td>
<td>Track 2: CPT and IAQ – James Barrette and Chris Miller</td>
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<td></td>
<td>Track 3: Business and Leadership Practices – Derek Hedrick</td>
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<tr>
<td>2:15 pm – 3:45 pm</td>
<td>Track 1: BSC and TAB – Mark Terzigni</td>
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<td></td>
<td>Track 2: CPT and IAQ – Nicholas Pearce</td>
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<td>Track 3: Business and Leadership Practices – Derek Hedrick</td>
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<th>SATURDAY - APRIL 4</th>
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<tr>
<td>7:00 am – 8:00 am</td>
<td>Breakfast</td>
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<tr>
<td>7:00 am – 2:00 pm</td>
<td>Annual Conference Registration Open</td>
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<tr>
<td>7:00 am – 5:30 pm</td>
<td>Exhibit Hall Open</td>
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<tr>
<td>8:00 am – 9:30 am</td>
<td>NEBB Town Hall and Business Meeting</td>
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<tr>
<td>8:00 am – 4:00 pm</td>
<td>Chapter Coordinators Meeting</td>
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<tr>
<td>9:45 am – 3:30 pm</td>
<td>Technical Track Sessions</td>
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<tr>
<td>9:45 am – 11:15 am</td>
<td>TECHNICAL TRACK SESSIONS</td>
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<tr>
<td></td>
<td>Track 1: BSC and TAB – Jeff Smith</td>
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<td></td>
<td>Track 2: CPT and IAQ – Peter Maguire</td>
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<tr>
<td></td>
<td>Track 3: Business and Leadership Practices – Chapter Affairs Committee</td>
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<td>11:15 am – 12:15 pm</td>
<td>NETWORKING LUNCHEON</td>
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<tr>
<td>12:15 pm – 1:45 pm</td>
<td>TECHNICAL TRACK SESSIONS</td>
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<tr>
<td></td>
<td>Track 1: BSC and TAB – Panel Discussion – Various CPs</td>
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<tr>
<td></td>
<td>Track 2: CPT and IAQ – Matt Lemieux</td>
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<td></td>
<td>Track 3: Business and Leadership Practices – Jennifer Donahue</td>
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<tr>
<td>2:00 pm – 3:30 pm</td>
<td>Track 1: BSC and TAB – Phil Emory</td>
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<td></td>
<td>Track 2: CPT and IAQ – Don Hill</td>
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<td>Track 3: Business and Leadership Practices – Young Professional Network</td>
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<tr>
<td>3:30 pm – 5:00 pm</td>
<td>Vendor Reception and Prize Giveaway</td>
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<tr>
<td>5:00 pm – 6:30 pm</td>
<td>Closing Session</td>
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<td>Keynote Speaker: Charles Marshall</td>
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<th>SUNDAY - APRIL 5</th>
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<tbody>
<tr>
<td>8:00 am – 12:00 pm</td>
<td>Board of Directors Meeting – OPEN</td>
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<tr>
<td>12:00 pm – 5:00 pm</td>
<td>Board of Directors Meeting – CLOSED</td>
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</table>
Thank You to Our Sponsors

PLATINUM LEVEL

GOLD LEVEL

Silver Level

Exhibits will be set up for learning opportunities between sessions. The following Exhibitors have signed up with more to come!

Please Plan on Visiting our Exhibitors!
NEBB 23rd Annual Golf Tournament

Join us for Golf at the Greenbrier Meadow’s Course!
Thursday – April 2, 2020

The tournament is being held at the Greenbrier’s famous Meadows Course starting with a 8:30 am modified shotgun.

The Meadows course began as a 9-hole course named Lakeside. Designed by Alexander H. Findlay, it opened for play in 1911. In 1923, Seth Raynor redesigned the course while he was on the property updating The Old White TPC and building the original Greenbrier Course. In 1962, Lakeside was expanded to an 18-hole routing by architect Dick Wilson, who used dirt excavated during the construction of The Bunker to expand the course. Years later, in 1999, Bob Cupp once again redesigned the golf course, at which point it officially became known as The Meadows.

Golf registration is $195.00 per player to include greens fees and cart fees. Lunch, scoring and an awards presentation will be held following play in the Champions Room at the Golf Course. Golf club rentals are available for $90.00 and shoes for $15.00. Golf Club options include TaylorMade, Titleist, Callaway and Ping. Please note, rental arrangements must be made in advance due to limited supply. Please make sure to secure during registration.

Golf registration cancellations must be sent to and approved by the NEBB Main Office by March 20, 2020.

*No golf registration refunds will be issued after March 20, 2020.
OPENING SESSION: THURSDAY, APRIL 2 • 5:30 PM - 6:45 PM

WELCOME AND KEYNOTE PRESENTATION

KEYNOTE SPEAKER: Scott Bloom

Scott is a veteran comedian and television personality who has built a reputation as the “go-to” choice for business humor, having hosted hundreds of events for companies such as FedEx, Ford, IBM, MetLife, Pepsico, JPMorgan Chase and Verizon. In addition to his work as a highly respected emcee and comedic keynote speaker, he has had a successful career in television. Scott has been featured on Comedy Central numerous times, and was the host of his own weekly VH1 series. Scott recently co-hosted a national simulcast of the Grammy Awards from the Palace Theater. He currently lives in Los Angeles.

CLOSING SESSION: SATURDAY, APRIL 4 • 5:00 PM - 6:30 PM

CLOSING KEYNOTE PRESENTATION

KEYNOTE SPEAKER: Charles Marshall

Charles Marshall is one of the most popular humorous motivational speakers speaking today and has over 20 years experience speaking to audiences all over the United States. Each year, Charles travels 100,000 miles to perform in over 100 corporate and civic venues from New York to California. His animated delivery and original observations have captivated over 1,000 audiences over the past two decades, including many Fortune 500 companies. He is the author of several books including: The Seven Powers of Success and I’m Not Crazy But I Might Be A Carrier. He also has produced and performed two full-length comedy videos, Fully Animated and I’m Just Sayin’!
TECHNICAL TRACK SESSIONS: FRIDAY, APRIL 3 • 8:00 AM - 9:30 AM

**TRACK 1: BSC AND TAB**

8:00 am – 9:30 am  Instant Experience: Lessons Learned Commissioning in the Field

* SPEAKER: Matt Nelson – Host / Producer, The HVAC 360 Podcast

Instance experience is a perfect commissioning session for those of you who lack patients! Learn tips for starting from scratch, insights about being an engineer, best practices to take you services to the next level, and test yourself with a few photos from the field.

* SPEAKER BIO: Matt Nelson is the host of the HVAC 360 podcast and is dedicated to improving HVAC education worldwide. He is licensed mechanical engineer who works as a commissioning authority for his company, ECO Commissions. Also involved with ASHRAE’s commissioning certification from the beginning, he is currently their exam committee chair.

**TRACK 2: CPT AND IAQ**

8:00 am – 9:30 am  Recommendations to Properly Commission and Maintain a Modern UFAD System

* SPEAKER: Ghassan Elkhatib – Business Development Manager, AirFixture

Session will describe what is Underfloor Air Distribution (UFAD) and how it is different from overhead systems. Session will also cover recommended methods to maintaining supply plenum Integrity, proposed procedures for testing, adjusting, and balancing a UFAD system, and recommended plenum leakage test and acceptance criteria. Session will also go over recommended UFAD sequences of operation.

* SPEAKER BIO: Ghassan received a bachelor's degree in Architecture Engineering from the University of Kansas and has been a consulting Mechanical Engineer for over 14 years. Ghassan is currently a Sales Manager for AirFixture, a manufacturer of Under Floor Air Distribution (UFAD) products installed in over 140 million square feet worldwide.

**TRACK 3: BUSINESS AND LEADERSHIP PRACTICES**

8:00 am – 9:30 am  Always Staying Ahead in a Changing Environment - Microsoft Teams

* SPEAKERS: Young Professional Network

When you have a place to create and make decisions as a team, there's no limit to what you can achieve. Teams brings everything together in a shared workspace where you can chat, meet, share files, and work with business apps.

* SPEAKERS BIO: The NEBB YPN are an articulated group of five guys spanning the globe. the desire for excellence and industry leading initiatives drives these guys to find, research and share the latest opportunities in their relative disciplines to keep NEBB way above the rest. With enthusiasm, passion and energy forming some of the key ingredients to this group. they are seeing amazing things unfold around them. the recognition of the vision from Jean-Paul Leblanc from the start of this group and with the incredible input from past presidents Jim Kelleher, Don Hill and Jim Whorton, this group continues to grow from strength to strength.
## TECHNICAL TRACK SESSIONS: FRIDAY, APRIL 3 • 9:45 AM - 11:15 AM

### TRACK 1: BSC AND TAB

**9:45 am – 11:15 am #1 TAB Procedural Standard Updated and Changes**  
**SPEAKERS:** Donald Pittser – TAB Committee Chair and President, JEDI Balancing Middle East Qatar  
Jonathen Lloyd – President, Lloyd's T.A.B Pty Ltd

The new PS9 is here! But how does it effect what you and your business does on a day to day basis. Join us in this unpacking panel discussion to learn what you are required to do to remain compliant.

**SPEAKERS BIO:**  
Donald Pittser is a TAB Committee Chair, NEBB National TAB Committee 2005-2009 and 2015-Current, former Rocky Mountain NEBB President and Board of Director. JEDI Balancing Middle East Qatar President.  
Jonathen Lloyd is President of Lloyd's T.A.B Pty Ltd, from Queensland Australia, Lloyd, a TAB CP, is an active member of the TAB Committee, NEBB YPN and the NEBB Australia Board of Directors.

### TRACK 2: CPT AND IAQ

**9:45 am – 11:15 am Exploring the Practical Side of a Cleanroom Dilution Model**  
**SPEAKER:** Luis Chinchilla – Director, OPIA Operaciones e Ingeniería de Avanzada de Centroamérica S.A.

A testing model was developed and implemented in an attempt to provide an answer to the question: How many people and production lines can be fit inside Cleanroom? The testing model linked the Cleanroom Dilution Model with NEBB disciplines for testing procedure selection, resulting in a 4 tests model that was implemented in 2 different ISO-8 Class Cleanrooms, obtaining relevant conclusions about the practical side of the Cleanroom Dilution Model and its application on the field.

**SPEAKER BIO:** Luis is a licensed Chemical Engineer and possess a MBA with a major in Finance and a MBA with a major in General Management. At the NEBB level, is a NEBB CP for TAB, CPT and CxPP and a NEBB CT for CxA. He is a member of the BOD and Technical Committee for Capital-Mar Va International NEBB Chapter and a member of the NEBB BOD. He is also a member of CETA, IEST, ASHRAE and the Professional Association of Chemical Engineers in Costa Rica.

### TRACK 3: BUSINESS AND LEADERSHIP PRACTICES

**9:45 am – 11:15 am Performance Branding. Live Your Brand, Find Your Success!**  
**SPEAKER:** Jonathan Strausbaugh – Mechanical Engineering and Commissioning Manager, Parsons Corp.

Your company is something you have worked hard to build, but where you are building to? Identifying and deploying a Performance Branding strategy sets the fundamental basis for you to build your business personality around an ideal that allows you to provide a consistent experience for your clients.

**SPEAKER BIO:** Jonathan Strausbaugh served in the US Navy's EOD, worked as a Journeyman Pipefitter, Plumber, and Welder, and later obtained his degree in Mechanical Engineering. His commissioning work includes developing commissioning processes and programs for government and commercial ventures. Jonathan serves as Mechanical Engineering and Commissioning Manager for Parsons Federal Services.
## TECHNICAL TRACK SESSIONS: FRIDAY, APRIL 3 • 12:30 PM - 2:00 PM

### TRACK 1: BSC AND TAB

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>12:30 pm</td>
<td>#2 TAB Session – Report Forms</td>
<td>Donald Pittser – TAB Committee Chair and President, JEDI Balancing Middle East Qatar</td>
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<td>12:30 pm</td>
<td>Phoenix Controls Air Valves as Used in Critical Environments</td>
<td>Chris Miller – Operations Manager, The Kirkman Oliver Company</td>
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<td><strong>SPEAKERS BIO:</strong> James Barrette has worked for Phoenix Controls for 13 years. Spending several years in product support and field startup, then several years in Marketing, he is now the sales support engineer in charge of technical sales training, customer visits, and competitive analysis. Chris Miller has worked in the HVAC field for 32 years and has been the exclusive rep for the Phoenix Controls product line for the past 19 years.</td>
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### TRACK 2: CPT AND IAQ

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<tbody>
<tr>
<td>12:30 pm</td>
<td>#1 Cyber Crime and Security - The Impact that Cyber Intrusion Can Have on Your Business</td>
<td>Derek Hedrick – President, Ameritech Computer Consultants, Inc.</td>
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<td>Cybercrime damages are predicted to cost upwards of $6 trillion dollars annually by 2021. Cybercrime now accounts for more than 50% of all crime in the US with 78% of surveyed corporations being affected by a successful cyber attack in 2018. For small businesses 60% fold within. <strong>SPEAKER BIO:</strong> Derek spent 6 years in the US Naval Submarine Service as a Nuclear Health Physics Technician. In 1999 Derek was introduced to the TAB industry and has spent the last 20 years developing TABopts, Project Management and TAB Reporting software. At the same time providing complete IT Support Services.</td>
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### TRACK 1: BSC AND TAB

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<tr>
<th>2:15 pm – 3:45 pm</th>
<th>HVAC Air Leakage Testing</th>
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<tr>
<td><strong>SPEAKER:</strong> Mark Terzigni – Director of Engineering, SMACNA</td>
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Learn how to calculate the correct pass/fail criteria for leakage testing and why leakage class is the correct approach. Understand where the leakage class concept comes from and how to "compare" it to other pass/fail criteria.

**SPEAKER BIO:** As Director of Engineering, Mark Terzigni oversees the development of SMACNA’s technical manuals and applications ("Apps"). Prior to joining SMACNA, Mark was a Technical Service Engineer for McGill AirFlow, addressing technical issues regarding duct construction, design, sound attenuation, and leak testing. Mr. Terzigni graduated from The Ohio State University with a B.S. in Mechanical Engineering.

### TRACK 2: CPT AND IAQ

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<tr>
<th>2:15 pm – 3:45 pm</th>
<th>Efficiently Conditioning High Quantities of Outdoor Air</th>
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<tr>
<td><strong>SPEAKER:</strong> Nicholas Pearce – Application Engineer, Greenheck Fan Corporation</td>
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Conditioning outdoor air is an expensive process, but operational costs can be minimized through proper system selection and design. Discussion will focus on Dedicated Outdoor Air Systems (DOAS), which are more efficient than conventional Variable Air Volume (VAV) systems. Other options for increasing system efficiency are discussed.

**SPEAKER BIO:** Nick Pearce is an Application Engineer with the Dedicated Outdoor Air Systems (DOAS) group at Greenheck. Nick is actively involved in product development, technical and application support, product sales, and marketing. He works closely with Greenheck mechanical representatives to support energy recovery and DOAS products.

### TRACK 3: BUSINESS AND LEADERSHIP PRACTICES

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2020 NEBB Conference Advance Program

TECHNICAL TRACK SESSIONS: SATURDAY, APRIL 4 • 9:45 AM - 11:15 AM

TRACK 1: BSC AND TAB

9:45 am – 11:15 am  
Understanding Variable Frequency Drive Applications  
**SPEAKER:** Jeff Smith – Director of Drive Sales & Aftermarket Technical Support, Mechanical Resource Group

Creating a learning environment that covers variable frequency drive applications that occur within the test and balance requirements. Gain a comfort level of interacting with VFD's to meet the challenge of controlling the device without building automation being present. Understand the functions of the drive and it's influence of the electric motor.

**SPEAKER BIO:** Jeff Smith has been in the variable frequency drive environment for 38 years and has been an authorized service provider for ABB, Hitachi, Square D and Yaskawa for 30 years. He has a degree in Industrial electronics from L.A Trade tech and is a master electrician. He has designed multiple integrated VFD applications for US Army corps of engineers as well as multiple HVAC OEM's.

TRACK 2: CPT AND IAQ

9:45 am – 11:15 am  
Cannabis and Clean Rooms  
**SPEAKER:** Peter Maguire – Vice President System Applications, Lighthouse Worldwide Solutions

In this session we will cover how the cannabis industry is utilizing clean rooms, controlled environments and clean room protocols to grow plants indoors.

**SPEAKER BIO:** As Vice President of System Applications for Lighthouse Worldwide Solutions, Peter has provided contamination control training to hundreds of companies and thousands of engineers in the pharmaceutical, medical device, electronics and cannabis industries. Peter holds a 5th degree black belt in Tae Kwon Do from Jung SuWon martial arts academy.

TRACK 3: BUSINESS AND LEADERSHIP PRACTICES

9:45 am – 11:15 am  
NEBB Firm and Individual Compliance Panel  
**SPEAKERS:** Chapter Affairs Committee  
- Don Hill – President, AccuTec Services, Inc.  
- Glenn See – Chapter Affairs Chairman, TAB Technologies  
- Jeffrey Schools – President, Fisher Balancing  
- Tiffany Suite – Executive Vice President, NEBB

The purpose of this panel is to bring clarity based on past and current experiences resolving compliance issues with the governing documents.
2020 NEBB Conference Advance Program

TECHNICAL TRACK SESSIONS: SATURDAY, APRIL 4 • 12:15 PM - 1:45 PM

TRACK 1: BSC AND TAB

12:15 pm – 1:45 pm  TAB Specifications

SPEAKERS: Tom Hanlen – Design Engineer
Jon Sheppard – Owner and President, Atlantic Testing, Inc.
Dane Richards – Owner
Amber Ryman – Mechanical Contractor

This panel will address issues with current TAB specifications across the country. We will take excerpts from actual specifications and provide different perspectives as to what each section is trying to accomplish and what the difficulties in compliance with some specification requirements.

TRACK 2: CPT AND IAQ

12:15 pm – 1:45 pm  Cleanroom Recovery Testing and Discoveries

SPEAKER: Matt Lemieux – Senior Staff Engineer, Daldrop SBB, LLC.

A brief history of cleanroom recovery testing is presented, followed by technological advancements in methodology which are defining best practices. Theoretical recovery rates are detailed and compared with empirical data. Distinctions are made between room recovery and sample location recovery. A case study of improved recovery rates of twist (swirl) diffusers in cleanroom design is discussed. Conventional industry practices are challenged.

SPEAKER BIO: Matthew Lemieux has over 38 continuous years of field experience as a biological safety cabinet certifier, air and water balancer & cleanroom certifier. Mr. Lemieux has a B.S. in mechanical engineering from Northeastern University, a Massachusetts E.I.T. registration, an associate’s degree in electronics engineering from ITT Technical Institute, a former Massachusetts HVAC license,

TRACK 3: BUSINESS AND LEADERSHIP PRACTICES

12:15 pm – 1:45 pm  Chart Your Course to Effective Leadership

SPEAKER: Jennifer Donahue – President/Owner, JL Donahue Engineering, Inc.

The genesis of leadership starts with knowing yourself and knowing your people. Leaders understand their own strengths and challenges, and outward projections of these qualities. They also focus on inclusion, engagement, and growth of those under their direction and in doing so, grow the organization. This session will provide easy and useful techniques for actionable practices within everyday work environments.

SPEAKER BIO: Dr. Jennifer Donahue is the President/Owner of JL Donahue Engineering, with 23 years of experience focused on managing and supporting a variety of civil geotechnical and seismic projects. She is also a combat veteran and is serving as a Captain in the US Navy Reserves in the Civil Engineer Corps.
# 2020 NEBB Conference Advance Program

## TECHNICAL TRACK SESSIONS: SATURDAY, APRIL 4 • 2:00 PM - 3:30 PM

### TRACK 1: BSC AND TAB

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 pm – 3:30 pm</td>
<td>Thermal Imaging and Selecting the Right Camera</td>
<td>Phil Emory – BET CP, Neudorfer Engineers</td>
</tr>
</tbody>
</table>

Thermal Imaging Cameras have become more powerful in their day-to-day applications, and more powerful in their internal workings. This course is a snap shot in time to see where the technology is taking us and giving a hand in trying to select the camera that best fits your needs.

**SPEAKER BIO:** In 2008 Phil was certified as a Level 1 Thermal/Infrared Thermographer per the guidelines of the American Society for Nondestructive Testing (ASNT). In June of 2009 he added certification for Thermal/Infrared Thermography Level 1 for Buildings and in September of 2009 he obtained his Level 2 certificate for Thermal/Infrared Thermography.

### TRACK 2: CPT AND IAQ

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 pm – 3:30 pm</td>
<td>Lab Controls System Retrofit</td>
<td>Donald Hill – President, AccuTec Services, Inc.</td>
</tr>
</tbody>
</table>

Laboratory controls retrofit and upgrade at the Stowers Institute for Medical ResearchUtilization of the mock-up to determine system programming and additional functions to incorporate energy savings opportunities Utilization of the mock-up to determine schedule for implementation Integration into the building management system Utilization of new points to monitor system operation and incorporation into a continuous commissioning application.

**SPEAKER BIO:** Don is the President of AccuTec Services, Inc.providing TAB, Commissioning and FHT and CPT Services. Don is a Mechanical Engineer with 40 years experience in the design and construction industry. He is past President of NEBB and is the past chairman of the CPT Committee for NEBB.

### TRACK 3: BUSINESS AND LEADERSHIP PRACTICES

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 pm – 3:30 pm</td>
<td>A Clear Vision: What to Look Out for on Projects</td>
<td>Young Professional Network</td>
</tr>
</tbody>
</table>

In this session, the NEBB YPN Ad Hoc Committee will provide several examples of what to look out for on projects so attendees will have a clear vision to see issues while they can still be addressed.

**SPEAKERS BIO:** The NEBB YPN are an articulated group of five guys spanning the globe. the desire for excellence and industry leading initiatives drives these guys to find, research and share the latest opportunities in their relative disciplines to keep NEBB way above the rest. With enthusiasm, passion and energy forming some of the key ingredients to this group. they are seeing amazing things unfold around them. the recognition of the vision from Jean-Paul Leblanc from the start of this group and with the incredible input from past presidents Jim Kelleher, Don Hill and Jim Whorton, this group continues to grow from strength to strength.
### 2020 NEBB Conference Information

#### The Greenbrier – America’s Resort
101 W Main Street • White Sulphur Springs, WV 24986 • (855) 453-4858

**NEBB’s Discounted Single/Double Rate: $199.00**

To ensure the NEBB discounted room rate, reservations must be made by February 27, 2020 by 5:00 pm EST. Group rooms may sell out, so don’t delay! Rooms are subject to availability. Reservations made after February 27, 2020 will be on a space-available-and-prevailing-rate basis.

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<table>
<thead>
<tr>
<th>2020 NEBB Conference Fees</th>
<th>Fees as of December 1, 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EARLY BIRD CONFERENCE REGISTRATION</strong></td>
<td><strong>$875</strong></td>
</tr>
<tr>
<td>• Discounted Rate only until December 31</td>
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<tr>
<td>• Includes all the benefits of Full Conference Registration</td>
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<thead>
<tr>
<th><strong>FULL CONFERENCE REGISTRATION</strong></th>
<th><strong>$1000</strong></th>
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</thead>
<tbody>
<tr>
<td>• Opening Session on April 2</td>
<td></td>
</tr>
<tr>
<td>• Get Acquainted Reception on April 2</td>
<td></td>
</tr>
<tr>
<td>• Two Full days of Technical Track Sessions (April 3 and 4)</td>
<td></td>
</tr>
<tr>
<td>• Breakfast, Lunch, Morning and Afternoon Breaks (April 3 and 4)</td>
<td></td>
</tr>
<tr>
<td>• Vendor Reception and Prize Giveaway on April 4</td>
<td></td>
</tr>
<tr>
<td>• Closing Session on April 4</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>GUEST REGISTRATION</strong></th>
<th><strong>$300</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Opening Session on April 2</td>
<td></td>
</tr>
<tr>
<td>• Get Acquainted Reception on April 2</td>
<td></td>
</tr>
<tr>
<td>• NEBB Guest Lunch and Bunker Tour on April 2</td>
<td></td>
</tr>
<tr>
<td>• Vendor Reception and Prize Giveaway on April 4</td>
<td></td>
</tr>
<tr>
<td>• Closing Session on April 4</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>GUEST REGISTRATION (MINOR) 18 AND UNDER</strong></th>
<th><strong>$150</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Opening Session on April 2</td>
<td></td>
</tr>
<tr>
<td>• Get Acquainted Reception on April 2</td>
<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>• Closing Session on April 4</td>
<td></td>
</tr>
</tbody>
</table>

*More details to come*
With more than 55 indoor and outdoor activities available, The Greenbrier offers something for guests of all ages and interests. Try some of the most popular activities listed below while staying at The Greenbrier and view the entire list of activities on their website!

<table>
<thead>
<tr>
<th>The Greenbrier: America’s Resort Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gun Club: Sporting Clays and Trap and Skeet</strong></td>
</tr>
<tr>
<td><strong>Fishing: Howard’s Creek Fly Fishing</strong></td>
</tr>
<tr>
<td><strong>Jeep Driving Adventure: Off Road Exploration</strong></td>
</tr>
<tr>
<td><strong>Falconry: Learn the Ancient Sport of Kings</strong></td>
</tr>
<tr>
<td><strong>Horseback Riding: Private and Group Rides</strong></td>
</tr>
<tr>
<td><strong>Mountaineer Experience: Archery, Tomahawks</strong></td>
</tr>
</tbody>
</table>
The guest registration is a great value which includes admission to the following activities:

- NEBB Guest Lunch and Bunker Tour
- Opening Session
- Get Acquainted Reception
- Vendor Reception and Prize Giveaway
- Closing Session

Bring your guest along to NEBB’s Annual Conference this year!

The guest registration is a great value which includes admission to the following activities:

- NEBB Guest Lunch and Bunker Tour
- Opening Session
- Get Acquainted Reception
- Vendor Reception and Prize Giveaway
- Closing Session

The Greenbrier: America’s Resort Guest Activities

Bunker at The Greenbrier Resort

The declassified Bunker at The Greenbrier is a must-see experience that takes you behind the scenes and walks you through a fascinating period in the resort's history. Carved deep into the mountainside beneath our West Virginia Wing is an emergency Cold War fallout shelter. Once a top secret U.S. government relocation facility for Congress, The Bunker is now open to anyone interested in reliving a legendary piece of The Greenbrier history. Bunker Tours provide a unique and in-depth look behind the hidden doors and let you explore an aspect of The Greenbrier that no other resort can claim.
2020 NEBB Conference Payment Information

PAYMENT INFORMATION

Online registration is payable by credit cards (American Express, MasterCard, Visa and Discover) or check. If paying by check, please make payable to the NEBB Main Office and mail the check along with a 2020 NEBB Annual Conference Paper Registration Form.

Attention: NEBB – Annual Conference Registration • 8575 Grovemont Circle, Gaithersburg, MD 20877

OPTIONAL ITEMS

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date/Time</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>23rd Annual Golf Tournament</td>
<td>April 2, 8:30 am – 3:00 pm</td>
<td>$195</td>
</tr>
<tr>
<td>Golf Club Rental</td>
<td>April 2, Pick up at Golf Course</td>
<td>$90</td>
</tr>
<tr>
<td>NEBB Logo Polo Shirt (S – XL)</td>
<td>Pick up at Conference Registration Desk</td>
<td>$35</td>
</tr>
<tr>
<td>NEBB Logo Polo Shirt (2XL – 5XL)</td>
<td>Pick up at Conference Registration Desk</td>
<td>$40</td>
</tr>
<tr>
<td>BET Seminar</td>
<td>March 30 - 31</td>
<td>$800</td>
</tr>
<tr>
<td>Optional NEBB Exam Day</td>
<td>April 1</td>
<td>Contact <a href="mailto:certification@nebb.org">certification@nebb.org</a> for details and pricing</td>
</tr>
</tbody>
</table>

CANCELLATION POLICY

| Written request received by March 20, 2020 | Full cancellation less a 25% admin fee |
| Written request received after March 20, 2020 | Nonrefundable                        |
| No-show for any reason                    | Nonrefundable                        |

CONTINUING EDUCATION CREDITS (CECs)

- NEBB Certified Individuals registered for the 2020 Annual Conference will receive continuing education credits (CECs) for attending technical and educational sessions.
- Electronic scanning will be done for each session in order to verify attendance and allocate the appropriate number of CECs to the CP or CT.
- The 2020 Conference Program Guidebook will have the number of CECs awarded listed by each session.
- CECs obtained by attending sessions at the annual conference can be used for submission for NEBB recertification requirements.
- CECs are awarded only for educational or technical sessions.
2020 NEBB Conference Registration

Please visit our 2020 Conference website: nebb.cvent.com

- Registration form and payment must be received and confirmed by NEBB Main Office by Friday, March 20, 2020
- Each attendee complete 1 registration form.
- After March 20, 2020, please register online.

Name (DISPLAYED ON BADGE): __________________________ Email Address: __________________________

Company Name: __________________________ Phone Number: __________________________

Address: __________________________ ADA/Dietary Restrictions: __________________________

City/State/Zip: __________________________

<table>
<thead>
<tr>
<th>ITEM DESCRIPTION / FEES</th>
<th>QUANTITY</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Bird Full Conference Registration:</td>
<td>One Per Sheet</td>
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<tr>
<td>$875 (Expires Dec 31)</td>
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<td>Full Conference Registration:</td>
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<td>$1000</td>
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<tr>
<td>Thursday ONLY Registration:</td>
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<tr>
<td>$175</td>
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<td>Friday ONLY Registration:</td>
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<td>$450</td>
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<tr>
<td>Saturday ONLY Registration:</td>
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<tr>
<td>$450</td>
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</table>

OPTIONAL ITEMS

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Shirt Size / Rentals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guest Registration:</td>
<td></td>
</tr>
<tr>
<td>$300</td>
<td></td>
</tr>
<tr>
<td>Minor Guest Registration:</td>
<td></td>
</tr>
<tr>
<td>$150</td>
<td></td>
</tr>
<tr>
<td>NEBB Polo Shirt (S – XL):</td>
<td></td>
</tr>
<tr>
<td>$35</td>
<td></td>
</tr>
<tr>
<td>*Please indicate Shirt Size (Small, Medium, Large or X-Large)</td>
<td></td>
</tr>
<tr>
<td>NEBB Polo Shirt (2XL – 5XL):</td>
<td></td>
</tr>
<tr>
<td>$40</td>
<td></td>
</tr>
<tr>
<td>*Please indicate Shirt Size (2XL, 3XL, 4XL or 5XL)</td>
<td></td>
</tr>
<tr>
<td>Golf Tournament Registration:</td>
<td></td>
</tr>
<tr>
<td>$195</td>
<td></td>
</tr>
<tr>
<td>Golf Tournament Club Rentals:</td>
<td></td>
</tr>
<tr>
<td>$90</td>
<td></td>
</tr>
<tr>
<td>*Please indicate Left-handed Clubs or Right-handed Clubs</td>
<td></td>
</tr>
<tr>
<td>Golf Polo Shirt Size (Included in golf fee):</td>
<td></td>
</tr>
<tr>
<td>*Please indicate Shirt Size (Small, Medium, Large, X-Large or 2XL)</td>
<td></td>
</tr>
</tbody>
</table>

Payment Method:  ○ Visa  ○ MasterCard  ○ AMEX

Check: Make payable to NEBB. Conference registration is NOT confirmed until payment has been received.

Total Amount Due: __________________________ Date: __________________________

Name on Card: __________________________

Credit Card Number: __________________________ Expiration Date: __________________________

Signature: __________________________ Security Code: __________________________

NEBB Cancellation Policy: A 25% Cancellation Fee will be applied if written request is received/approved by March 20, 2020. After March 20, 2020 cancellation requests are non-refundable.

NEBB Main Office, 8575 Grovemont Circle, Gaithersburg, MD 20877