



RENO

2021 CETA ANNUAL MEETING

CETA
Controlled Environment Testing Association



PEPPERMILL RESORT
SPA & CASINO



AUGUST 20-23, 2021

PROGRAM AND EXHIBITOR INFORMATION

2021 CETA ANNUAL MEETING AGENDA

FRIDAY, AUGUST 20, 2021

7:00 AM - 6:00 PM	ATTENDEE REGISTRATION TUSCANY FOYER, 2 ND FLOOR				
8:00 AM - 12:00 PM	CETA BOARD OF DIRECTORS MEETING BOARD ROOM 1735, 17 TH FLOOR PEPPERMILL TOWER	RCP-SCF & RCP-CR WRITTEN PRACTICAL EXAMS & RCP-FH EXAM CNBT TUSCANY 6, 2 ND FLOOR			
1:00 PM - 5:40 PM 1:00 PM - 1:10 PM 1:10 PM - 1:40 PM	CETA SERIES PRESENTATION WELCOME - TONY McGRATH ELECTRICAL TROUBLESHOOTING - JIM HUNTER TUSCANY 2, 2 ND FLOOR				
SESSION 1: 1:50 PM - 2:30 PM SESSION 2: 2:30 PM - 3:15 PM	BAKER TUSCANY 1 2 ND FLOOR	ESCO TUSCANY 2 2 ND FLOOR	LABCONCO TUSCANY 3 2 ND FLOOR	NUAIRE TUSCANY 4 2 ND FLOOR	THERMO FISCHER TUSCANY 5 2 ND FLOOR
3:15 PM - 3:30 PM	AFTERNOON BREAK TUSCANY FOYER , 2 ND FLOOR				
SESSION 3: 3:30 PM - 4:10 PM SESSION 4: 4:15 PM - 4:55 PM SESSION 5: 5:00 PM - 5:40 PM	BAKER TUSCANY 1 2 ND FLOOR	ESCO TUSCANY 2 2 ND FLOOR	LABCONCO TUSCANY 3 2 ND FLOOR	NUAIRE TUSCANY 4 2 ND FLOOR	THERMO FISCHER TUSCANY 5 2 ND FLOOR

SATURDAY, AUGUST 21, 2021

7:00 AM - 6:00 PM	ATTENDEE REGISTRATION TUSCANY FOYER, 2 ND FLOOR				
8:00 AM - 10:00 PM	PLATINUM SPONSOR UPDATE ESCO TUSCANY 2, 2 ND FLOOR				
8:30 AM - 12:00 PM	RCP-SCF & RCP-CR MULTIPLE CHOICE EXAMS CNBT TUSCANY 6, 2 ND FLOOR				
10:00 AM - 12:00 PM	PLATINUM SPONSOR UPDATE NUAIRE TUSCANY 2, 2 ND FLOOR				
1:00 PM - 7:00 PM	EXHIBITOR SET UP TUSCANY A, B, 7, 8, 2 ND FLOOR				
1:00 PM - 5:05 PM 1:00 PM - 1:10 PM	CETA SERIES PRESENTATION WELCOME & GROUP INTRODUCTION - LESLIE MACKAY TUSCANY E, F, 11, 12, 2 ND FLOOR				
SESSION 1: 1:20 PM - 2:10 PM SESSION 2: 2:15 PM - 3:05 PM	CERTIFICATION CALCULATIONS TUSCANY 1 2 ND FLOOR	AUTOMATED AIRFLOW CONTROL: THE IMPACTS AND PERFORMANCE ON CLEANROOM TESTING TUSCANY 2 2 ND FLOOR	HAZARDOUS DRUGS: OCCUPATIONAL EXPOSURE ASSESSMENTS TUSCANY 3 2 ND FLOOR	SERVICING HAZARDOUS DRUG COMPOUNDING PRIMARY ENGINEERING CONTROLS TUSCANY 4 2 ND FLOOR	
3:05 PM - 3:20 PM	AFTERNOON BREAK TUSCANY FOYER, 2 ND FLOOR				

2021 CETA ANNUAL MEETING AGENDA

SATURDAY, AUGUST 21, 2021

SESSION 3: 3:20 PM - 4:10 PM SESSION 4: 4:15 PM - 5:05 PM	CERTIFICATION CALCULATIONS TUSCANY 1 2 ND FLOOR	AUTOMATED AIRFLOW CONTROL: THE IMPACTS AND PERFORMANCE ON CLEANROOM TESTING TUSCANY 2 2 ND FLOOR	HAZARDOUS DRUGS: OCCUPATIONAL EXPOSURE ASSESSMENTS TUSCANY 3 2 ND FLOOR	SERVICING HAZARDOUS DRUG COMPOUNDING PRIMARY ENGINEERING CONTROLS TUSCANY 4 2 ND FLOOR	
5:30 PM - 7:00 PM	NSF STEERING COMMITTEE TUSCANY 5, 2 ND FLOOR				
7:00 PM - 9:00 PM	OPENING RECEPTION THE EDGE NIGHT CLUB				

SUNDAY, AUGUST 22, 2021

7:00 AM - 2:00 PM	ATTENDEE REGISTRATION TUSCANY FOYER, 2 ND FLOOR				
7:00 AM - 8:00 AM	BREAKFAST WITH EXHIBITORS TUSCANY A, B, 7, 8, 2 ND FLOOR				
8:00 AM - 12:00 PM 8:00 AM - 8:05 AM 8:05 AM - 8:20 AM 8:20 AM - 9:00 AM 9:00 AM - 10:00 AM	CETA ANNUAL MEETING WELCOME REMARKS - KIM COUGHLIN PRESIDENT'S ADDRESS - SHAWN WINDLEY PSYCHOMETRICS AND EXAMINATIONS - DR. MEADE KILL SHOT - JASON DEAREN, LEAD BY CONVERSATION PARTNER JIM WAGNER TUSCANY E, F, 11, 12, 2 ND FLOOR				
10:00 AM - 10:30 AM	MORNING BREAK WITH EXHIBITORS TUSCANY A, B, 7, 8, 2 ND FLOOR				
10:30 AM - 12:00 PM 10:30 AM - 11:30 AM 11:30 AM - 12:00 PM	CETA ANNUAL MEETING ASHRAE 110 - TOM SMITH CNBT UPDATE - DAVID BRANDE & CHRIS ROWE TUSCANY E, F, 11, 12, 2 ND FLOOR				
12:00 PM - 1:00 PM	GRAB-N-GO LUNCH TUSCANY FOYER, 2 ND FLOOR				
1:00 PM - 7:00 PM	WALLY WHITT MEMORIAL GOLF TOURNAMENT				
1:00 PM - 7:00 PM	MS DIXIE II SIGHTSEEING CRUISE				

MONDAY, AUGUST 23, 2021

7:30 AM - 4:00 PM	ATTENDEE REGISTRATION TUSCANY REGISTRATION DESK, 2 ND FLOOR				
7:30 AM - 8:30 AM	BREAKFAST WITH EXHIBITORS TUSCANY A, B, 7, 8, 2 ND FLOOR				
8:30 AM - 10:30 AM 8:30 AM - 8:35 AM 8:35 AM - 9:05 AM 9:05 AM - 9:45 AM 9:45 AM - 9:55 AM 9:55 AM - 10:05 AM 10:05 AM - 10:30 AM	CETA ANNUAL MEETING MEETING UPDATES - KIM COUGHLIN HVAC FILTERS - JASON RAJALA AIRFLOW VISUALIZATION STUDIES - KYLE MULDER CETA SPEC GUIDE UPDATE - CHARLIE PELLIGRINI NSF UPDATES - BILL PETERS GENERAL BUSINESS MEETING/FINANCIALS/ELECTION - JEFF SERLE & SHAWN WINDLEY TUSCANY E, F, 11, 12, 2 ND FLOOR				
10:30 AM - 11:00 AM	MORNING BREAK WITH EXHIBITORS TUSCANY A, B, 7, 8, 2 ND FLOOR				

2021 CETA ANNUAL MEETING AGENDA

MONDAY, AUGUST 23, 2021

11:00 AM - 12:00 PM 11:00 AM - 11:30 AM 11:30 AM - 11:45 AM 11:45 AM - 12:00 PM	CETA ANNUAL MEETING CAG UPDATE AND AWARDS - TONY CAUGHNOR CAG 004 UPDATE - JIM HUNTER CAG 007 UPDATE- JIM HUNTER TUSCANY E, F, 11, 12, 2ND FLOOR				
12:00 PM - 1:00 PM	LUNCH TUSCANY C, D, 9, 10, 2ND FLOOR				
1:00 PM - 2:00 PM	CETA ANNUAL MEETING CAG 009, 011, 013 UPDATE - ABBY ROTH TUSCANY E, F, 11, 12, 2ND FLOOR				
2:00 PM - 4:00 PM	EXHIBITS TUSCANY A, B, 7, 8, 2ND FLOOR				
2:00 PM - 5:30 PM SESSIONS TAKE PLACE EVERY 30 MINUTES	EQUIPMENT MANUFACTURER FORUM TUSCANY 1 2ND FLOOR	EQUIPMENT MANUFACTURER FORUM TUSCANY 2 2ND FLOOR	EQUIPMENT MANUFACTURER FORUM TUSCANY 3 2ND FLOOR	EQUIPMENT MANUFACTURER FORUM TUSCANY 4 2ND FLOOR	
2:00 PM - 3:00 PM	CAG-005 & 006 TUSCANY 5, 2ND FLOOR				
2:00 PM - 4:00 PM	CAG-003 BOARD ROOM 1735, 17TH FLOOR, PEPPERMILL TOWER (DOWNSTAIRS)	CAG-008 BOARD ROOM 1735, 17TH FLOOR, PEPPERMILL TOWER (UPSTAIRS)	CAG-012 BOARD ROOM 1734, 17TH FLOOR, PEPPERMILL TOWER		
3:00 PM - 6:00 PM	CAG-005 TUSCANY 5 2ND FLOOR	CAG-006 TUSCANY 6 2ND FLOOR			
4:00 PM - 5:00 PM	EXHIBITS BREAKDOWN TUSCANY A, B, 7, 8, 2ND FLOOR				
7:00 PM -10:00 PM	ANNUAL BANQUET TUSCANY C, D, 9, 10, 2ND FLOOR				

TUESDAY, AUGUST 24, 2021

8:00 AM - 4:00 PM	CNBT GRADING BOARD ROOM 1735, 17TH FLOOR, PEPPERMILL TOWER (DOWNSTAIRS)
8:30 AM - 10:00 AM	CETA FOLLOW UP BOARD MEETING BOARD ROOM 1735, 17TH FLOOR, PEPPERMILL TOWER (UPSTAIRS)
10:15 AM - 2:00 PM	CNBT WORKSHOP BOARD ROOM 1735, 17TH FLOOR, PEPPERMILL TOWER (UPSTAIRS)





OFFICERS

PRESIDENT

Shawn Windley
shawnw@pamlico-air.com

PRESIDENT ELECT

Kimberly Coughlin
kim.coughlin@kastangoconsultinggroup.com

SECRETARY/TREASURER

Jeff Serle
jsarle@germfree.com

PAST PRESIDENT

Wayne Copeland
wac@ceptest.com

DIRECTORS

Cary Binder
cbinder@nsf.org

Charlie Pellegrini
cpellegrini@pen-tec.com

Herschell Hitchcock
hhitchcock@veteranscientific.com

Tony Caughron
tec@tecservicesinc.com

Erin Thane
Erin.Thane@Azzur.com

Leslie MacKay
lmackay@eagleson.org

NEW BOARD MEMBERS

David Phillips
david@con-test.com

Lew Exner
lewexner@cenvironment.com

Jeremy Mahurin
jeremy@ASAP-Testing.com

CNBT

Chris Rowe
c.rowe1118@icloud.com

David Brande
davidbrande@me.com
RETIRING AUGUST 2021

MEETING NOTES:

What do the stickers on my name badge mean?

GC means you're registered for the General Meeting and can attend the Opening Reception on Saturday, all sessions and meals beginning Sunday morning and the Annual Banquet on Monday.

FCS means you have registered to attend the Friday CETA Series from 1:00 PM to 5:40 PM.

SCS means that you have registered to attend the Saturday CETA Series from 1:00 PM to 5:05 PM.

AB means that you're either an exhibitor that purchased a banquet ticket for Monday evening or a guest with tickets to the Saturday Opening reception and Monday banquet.

Exhibitors/Sponsors without "GC" or "AB" can attend all meals including the Saturday Opening Reception except for the Monday evening banquet but cannot attend sessions.

Registered Guests are welcome to attend the Saturday Opening Reception and Monday Night Banquet, but not the sessions or other meals.

**** Attendees should not record the sessions or take flash photography ****

MANUFACTURER UPDATES Monday, August 23, 2:00-4:15 PM

TIME	TUSCAN 1	TUSCAN 2	TUSCAN 3	TUSCAN 4
2:00pm - 2:30pm	Grifols	Degree Controls	Aircare Automation	Azzur Labs
2:35pm - 3:05pm	Grifols	Degree Controls	Aircare Automation	Azzur Labs
3:10pm - 3:40pm	Steramist	American Analytics	Hardy Diagnostics	Evergreen Telemetry
3:45pm - 4:15pm	Performance Assurance	American Analytics	Analytics Corporation	Evergreen Telemetry



Wifi information:
Name: CETAam
Password: CETA2021

EXECUTIVE OFFICE

Controlled Environment Testing Association (CETA)
3801 Lake Boone Trail Suite 190 • Raleigh, NC 27607
Phone: (919) 792-6339 • Web site: www.cetainternational.org
Email: info@cetainternational.org

VISIT OUR EXHIBITORS AT THE ANNUAL MEETING!

203	205	207		211	213	215		223	225	227	229
-----	-----	-----	--	-----	-----	-----	--	-----	-----	-----	-----

202	204	206	208
103	105	107	109

214	216	218	220	222
115	117	119	121	123

100	102	104	106	108	110	112	114		122	124	126	128
-----	-----	-----	-----	-----	-----	-----	-----	--	-----	-----	-----	-----

EXHIBITOR	BOOTH NUMBER
NUAIRE INC.....	100
EMSL ANALYTICAL, INC.....	102
LABCONCO	103
BIOSCIENCE INTERNATIONAL, INC.	104
DEGREE CONTROLS, INC.	105
DFMZ INC.	106
FOCUS LABORATORIES.....	107
STERAMIST BY TOMI.....	108
THERMO FISHER SCIENTIFIC.....	109
EVERGREEN TELEMETRY	110
CEPA OPERATIONS.....	112
TEC SERVICES, INC.....	114
ESCO TECHNOLOGIES, INC.....	115
GRIFOLS	117
CHATTANOOGA ENVIRONMENTAL LAB.....	119
DRS LABORATORIES, INC.	121
TSI INC.....	122
GERMFREE LABORATORIES	123
MICRORITE.....	124
AIRCARE AUTOMATION	126
LIGHTHOUSE WORLDWIDE SOLUTIONS.....	128

EXHIBITOR	BOOTH NUMBER
CRITICALPOINT, LLC	202
U.S. MICRO-SOLUTIONS, INC.	203
CAMFIL USA, INC.	204
JOHN M EAGLESON JR INSTITUTE.....	205
PERFORMANCE ASSURANCE SYSTEMS	206
EUROFINS BUILT ENVIRONMENT	207
AZZUR LABS.....	208
PAMLICO AIR	211
CONTROLLED ENVIRONMENT CONSULTING (CEC)	213
AAF FLANDERS	214
BAKER	215
CLORDISYS SOLUTIONS	216
SAFECHMO BY AMERICAN ANALYTICS.....	218
AIR TECHNIQUES INTERNATIONAL.....	220
ANALYTICS CORPORATION	222
AEROBIOLOGY LABORATORY	223
THE CLEANROOM PARTS GUYS	225 & 227
HARDY DIAGNOSTICS.....	229

THANK YOU TO OUR SPONSORS!



PLATINUM



GOLD



SILVER



VISIT OUR EXHIBITORS AT THE ANNUAL MEETING!



AAF FLANDERS, As the global leader in the clean air industry, AAF Flanders is the worlds largest manufacturer of commercial, industrial, and retail air filtration solutions. As a trusted leader and partner in clean air solutions, we help you to protect your environment, reduce your overall risk, and optimize your filter related spending. **BOOTH 214**

AEROBIOLOGY LABORATORY, an independent environmental microbiology laboratory in its 24th year, is a CDC ELITE certified Legionella, NY ELAP certified ISO 11731:2017 and AIHA accredited environmental microbiology laboratory with nationwide coverage with 10 locations and two or more laboratories in each time zone. Aerobiology's expertise in water microbiology and waterborne pathogen detection provides the technical expertise in supporting your clients microbial concerns, your water management plans and the water treatment industry. Come by our booth and meet our professionals and Suzanne Blevins, B.S. SM (ASCP), Aerobiology's Founder and Laboratory Director. **BOOTH 223**

AIRCARE AUTOMATION, is an industry leader in low-cost, certifier friendly cleanroom FFU controls and monitoring systems for easy USP 797/800 compliance. **BOOTH 126**

AIR TECHNIQUES INTERNATIONAL (ATI), a division of Hamilton Associates, Inc., has been a global leader in the design and manufacture of specialized testing equipment for HEPA filters, media, filter cartridges, respirators and protective masks since 1961. **BOOTH 220**

ANALYTICS CORPORATION, Analytics provides USP 800 Chemo Swab Analysis and Supplies. **BOOTH 222**

AZZUR LABS, an Azzur Group company, is a contract laboratory serving the pharmaceutical, medical device, and biotechnology industries. With locations across the nation, we provide customers with analytical testing, microbiology, and other services to ensure regulatory compliance From Discovery To Delivery™. For more information, visit Azzurlabs.com **BOOTH 208**

BIOSCIENCE INTERNATIONAL, INC., The newest generation of SAS microbial air monitors, for ensuring full compliance with USP 797 guidelines, cGMP and international monitoring requirements will be displayed. Our Pinocchio compressed gas testing system is an all-in-one unit - all you need is the gas and a petri plate to perform sampling. **BOOTH 104**

CAMFIL USA, INC., Camfil's vision is to make clean air a human right; just like clean water. Our mission is to protect people, processes and the environment by defining, developing and delivering filter solutions that combine clean air with energy efficiency in a sustainable and profitable way. HEPA/ULPA filters are critical components for mission success. **BOOTH 204**

CEPA OPERATIONS, INC., CEPA Company was founded in 1973 with the intention of providing quality certification and repair services as well as readily available HEPA filters to a growing industry of Pharmaceutical companies, Hospitals, Universities, and Research laboratories, both governmental and private. **BOOTH 112**

CHATTANOOGA ENVIRONMENTAL LAB, Chattanooga Environmental Laboratory, LLC is an accredited testing laboratory, specializing in USP 797 testing of viable air, contact, and gloved fingertip samples. CEL is the leading U.S. distributor of the MicroBio Air Sampler. The MB offers a light-weight design with a sampling rate of 180 L/min at a competitive price. For more information, please visit www.ChattaLab.com. **BOOTH 119**

CLORDISYS SOLUTIONS, ClorDiSys provides chlorine dioxide gas decontamination equipment for use on BSCs™, HEPA housings, incubators, isolators, rooms, and other enclosures. Chlorine dioxide gas is an easy upgrade and safe alternative to formaldehyde. Our CHEM-CD process is a simple, portable, NSF approved replacement for the decontamination of BSCs. **BOOTH 216**

CONTROLLED ENVIRONMENT CONSULTING (CEC), Controlled Environment Consulting Services - New eLearning courses for certifiers and Project Management services. **BOOTH 213**

CRITICALPOINT, LLC CriticalPoint, a TRC Healthcare Company, focuses on increasing patient safety through a variety of educational compounding offerings concentrating on USP Chapter 797, 800, and 795. Partnering with industry experts, we provide timely and engaging training on industry standards, resulting in improved competency and patient safety. **BOOTH 202**

DEGREE CONTROLS, INC., Degree Controls specializes in airflow sensing, control, and visualization products. The Rooster series of airflow alarms, C Point hand held anemometer, and C Breeze & FlowMarker visualization tools, have become standard equipment in the critical environment industry. DegreeC manufacturers airflow sensors used inside top performing cabinets in the industry. **BOOTH 105**

DFMZ INC., DFMZ Inc. is a leading innovator with 50 years of experience and knowledge in the design, development and manufacture of quality environmental and particulate control solutions. Our equipment and cleanroom systems provide a high degree of product, personnel and/or environmental protection for the pharmaceutical, industrial/commercial, science and technology sectors. **BOOTH 106**

VISIT OUR EXHIBITORS AT THE ANNUAL MEETING!



DRS LABORATORIES, INC., DRS Laboratories Inc. is a supplier of Chlorine Dioxide Decontamination Equipment. Having explored alternative technologies to improve quality, timeliness, and cost of performing BSC decontaminations, DRS Labs has produced the first affordable and portable device; including tools, procedures, and training. We also offer decontamination services in conjunction w/current certification contractors or independently. **BOOTH 121**

EMSL ANALYTICAL, INC., EMSL Analytical, Inc. is a nationally recognized Microbiology and Indoor Air Quality Testing Laboratory specializing in Legionella analysis, USP<797> and the identification of Fungi, Bacteria and Healthcare-Associated Infection (HAI) Pathogens. We operate 46 laboratory locations across North America. For more information, please visit www.EMSL.com or call 800-220-3675. **BOOTH 102**

ESCO TECHNOLOGIES, INC., Esco is the world leader in NSF certified advanced biosafety cabinets, featuring energy efficient DC-ECM blower, ULPA filter with 10x better filtration than HEPA at same life, large performance envelope, anti-microbial coating to protect certifiers, durable steel plenum, comfortable low noise, riboflavin-verified cleanability, comfortable arm rest, and user-friendly control system. **BOOTH 115**

EUROFINS BUILT ENVIRONMENT, Eurofins Built Environment is the leading commercial IAQ laboratory in North America specializing in analyzing samples to identify mold, bacteria (including Legionella, E. coli, Endotoxins, etc.), asbestos, silica and radon. **BOOTH 207**

EVERGREEN TELEMETRY, Evergreen Telemetry manufactures a different type of instrument: a 5-in-1 meter for balancing, commissioning, and troubleshooting in commercial buildings. The patented Wrist Reporter™ displays real-time results from as many as ten wireless sensors, at one time, including Air & Water Pressure / Velocity / Flow / Temperature / Humidity. Future plans include CO/CO2, RPM, and volts/amps/watts. Applications include duct traverse, flow damper setting, ventilation calculations, room-to-room pressure hierarchies, coil performance testing, and wireless datalogging. This high-productivity instrument makes TAB and Cx Faster, Easier, and Safer. **BOOTH 110**

FOCUS LABORATORIES, FOCUS Laboratories is a network of FDA registered, cGMP compliant laboratories offering EM support to certifiers and the life science industries they serve. From sample receipt to incubation, enumeration, characterization and microbial identification, our compliant service is on-time and economical. Our FOCUS on customer service is what distinguishes us. **BOOTH 107**

GERMFREE LABORATORIES, Creating Environments That Serve Life Science Innovation And Advance Global Health. Germfree provides controlled aseptic environments as well as primary and secondary containment to serve the rigorous demands of our clients. Our laboratory equipment, cleanrooms, cGMP facilities and biosafety labs deliver solutions across the complete life science spectrum. **BOOTH 123**

GRIFOLS, Grifols, global healthcare company dedicated to improving the health and well-being of people around the world. The Grifols Hospital division developed INCLUSIV, a comprehensive sterile compounding portfolio of integrated technology, software, and services helps achieve efficiencies. The portfolio includes cleanroom equipment, mobile air decontamination, environmental monitoring, robotics, and operations software. **BOOTH 117**

HARDY DIAGNOSTICS, Hardy Diagnostics is an ISO 13485 certified, FDA licensed medical device manufacturer. This 100% employee owned company offers the pharmaceutical industry an extensive line of quality control, quality assurance, sterility, and environmental monitoring products to support testing and compliance needs. **BOOTH 229**

JOHN M EAGLESON JR INSTITUTE, The Eagleson Institute is a non-profit foundation with a mission to globally promote the principles and practices of health and safety in the life sciences community. Our highly interactive classes cover a wide range of biosafety topics, including BSC certification, BSL3 laboratory performance verification and certification of sterile compounding facilities. **BOOTH 205**

LABCONCO, Labconco designs and builds high-quality laboratory equipment. Continuous product innovation keeps researchers safe and meets their ever-evolving needs for efficiency and performance in chemical and biological ventilation, particulate enclosures, sample preparation, forensics, washers and water purification. Labconco's employees are dedicated to the safety of people and the scientific process, and to the prospect of a world made safer through science. **BOOTH 103**

LIGHTHOUSE WORLDWIDE SOLUTIONS, Founded in 1982, Lighthouse Worldwide Solutions is the world's leading supplier of real time contamination monitoring systems and airborne particle counters. The company has leveraged its superior software design, data integration ability and worldwide support offices to provide its customers with leading edge contamination monitoring solutions. **BOOTH 128**

VISIT OUR EXHIBITORS AT THE ANNUAL MEETING!



MICRORITE, INC., For Accurate / Non-biased Air Flow Visualization Studies in Cleanrooms a Highly Visible Cloud of Neutrally Buoyant Tracer Particles are Required. The TPG-MI has been scientifically designed, tested, and calibrated to meet these requirements. **BOOTH 124**

NUAIRE INC, For 50 years, Nuaire Inc. continues to provide Innovative, High Quality, Reliable and Service Friendly Biosafety Cabinets, Laminar Airflow Work Stations, Pharmacy Isolators, Cell Culture Incubators, Ultra Low Freezers, Centrifuges and Custom Laboratory Equipment. Best Products, Best Performance, Best Protection!. **BOOTH 100**

PAMLICO AIR, At Pamlico Air, our goal is to provide clean air & better health through quality air filtration products & services. With over a century of combined industry experience, we utilize our teams expertise to provide top-notch customer service, manufacturing practices & sales transactions. We believe in our products & stand behind our desire to improve our customers quality of life by cleaning the air they breathe. **BOOTH 211**

PERFORMANCE ASSURANCE SYSTEMS, Makers of the PASport System for HEPA filter integrity testing, BUD video communication program. We also offer a complete line of environmental monitoring solutions. We are a full service cleanroom design-build and consulting service. **BOOTH 206**

SAFECHEMO BY AMERICAN ANALYTICS, SafeChemo's wipe sampling for detection & analysis of Hazardous Drugs & Hormones to comply with USP 800 recommendations. Easy to use, affordable, Qualitative & Quantitative defensible data, technical support & training. DOD Accredited ISO/IEC 17025:2017 Est: 1980. **BOOTH 218**

STERAMIST BY TOMI, SteraMist by TOMI is a global disinfection & decontamination company providing solutions through manufacturing, sales and licensing of Binary Ionization Technology (BIT). BIT is EPA registered and uses 7.8% Hydrogen Peroxide through a cold plasma arc to produce a fog composed of hydroxyl radicals, known as ionized Hydrogen Peroxide, iHP. **BOOTH 108**

TEC SERVICES, INC., TEC Services was founded in 1994 and has since built a strong reputation in the controlled environment products, calibration, and service industry. TEC specializes in the production of aerosol photometers, aerosol generators, calibrations, as well as repair and service all within the field of HEPA filter testing and certification. **BOOTH 114**

THE BAKER COMPANY, For 7 decades, The Baker Company has been at the forefront of engineering, testing and production of reliable laboratory contamination control equipment. Our products are built to order, with rigorous testing protocols and quality control measures that exceed industry standards. Our commitment ensures you and your budget will be pleased. **BOOTH 215**

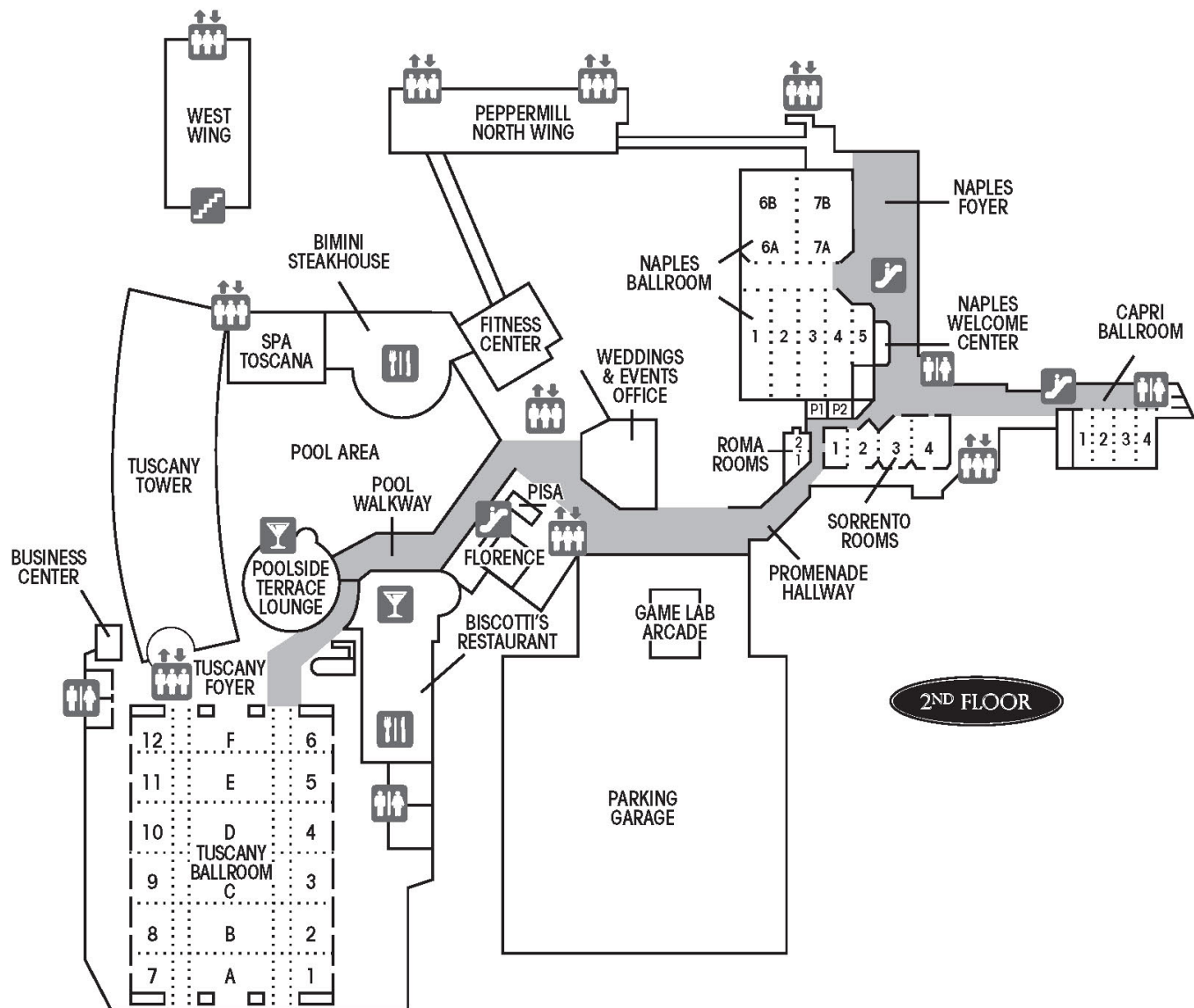
THE CLEANROOM PARTS GUYS, CPG is a small inhouse design and manufacturing company designing and selling PAO HEPA Filter Test Ports and Accessories. We are now expanding our product line to include Pass Throughs, Frameless LED Flat Panel Lights and a variety of small cleanroom products for when you are asked to do a small repair or upgrade. There is a great revenue stream in small maintenance repairs and Test Port installations. Ask us how. **BOOTHS 225 & 227**

THERMO FISHER SCIENTIFIC is the world leader in serving science. For more than five decades, we have been a pioneer and innovator of clean air technologies. Our Thermo Scientific™ biosafety cabinets are designed to maximize sample protection and user safety, with an emphasis on containment, comfort and convenience, all day, every day. **BOOTH 109**

TSI INC., TSI Incorporated is a leading supplier of instrumentation and software for certifiers. TSI's AeroTrak Particle Counters, VelociCalc Thermal Anemometers, DP-Calc Micromanometers, AirPro Air Velocity Instruments, and EBT731 Capture Hoods can be used as Direct Inflow Measurement (DIM) devices for biological safety cabinets. TSI also supplies hospital isolation room monitors and laboratory controls. www.tsi.com. **BOOTH 122**

U.S. MICRO-SOLUTIONS, INC., We are an ISO17025 accredited, CGMP compliant Environmental Microbiology Laboratory specializing in the analysis of bacteria and fungi from pharmaceutical sterile compounding settings (USP797). We provide culture analysis, equipment rental, USP media, and technical guidance. We are committed to providing exceptional quality, outstanding customer service, and competitive prices. **BOOTH 203**

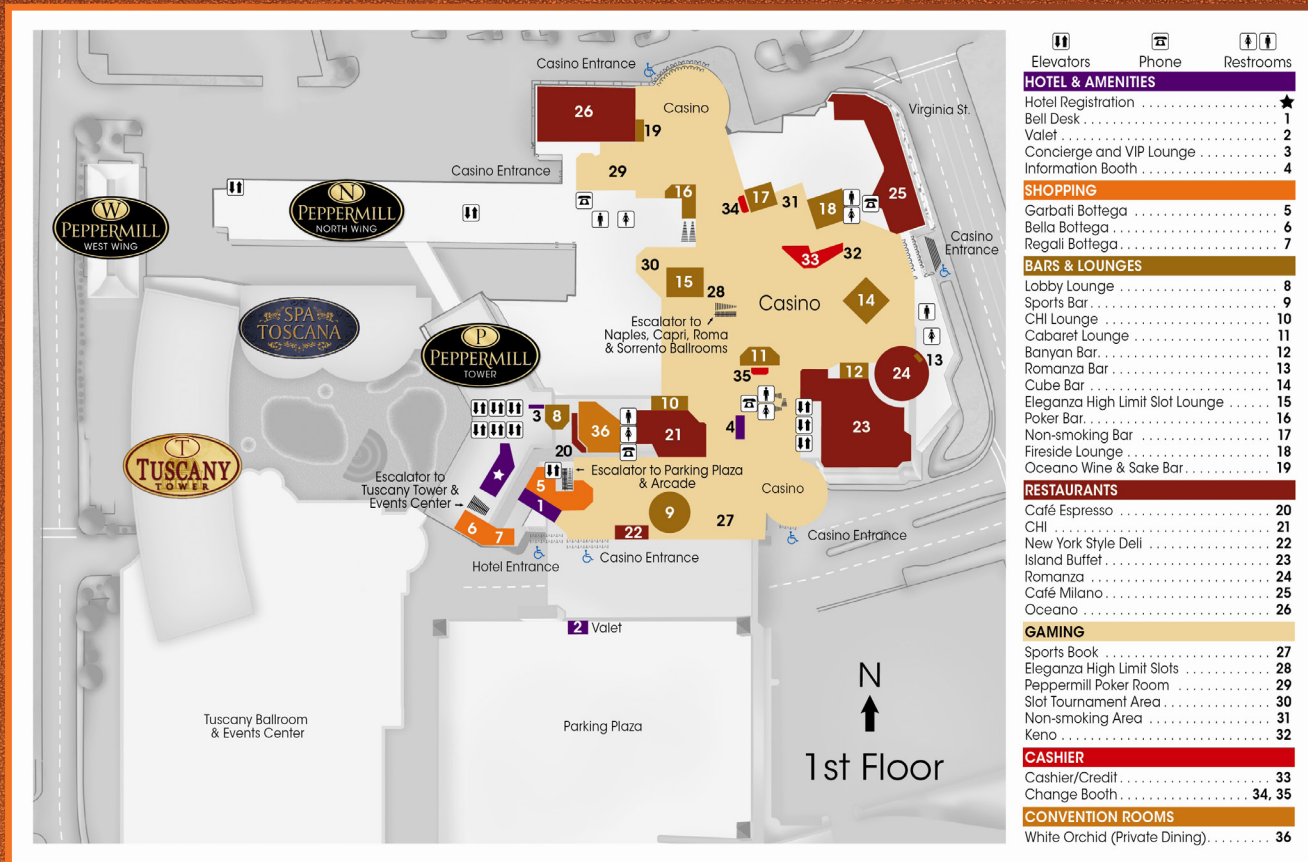
TUSCANY BALLROOM & EVENTS CENTER



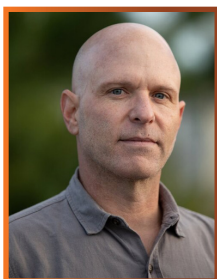
LEGEND



FLOOR PLANS



SPEAKER BIOS



JASON DEAREN

Jason Dearen is an investigative reporter and writer whose first book *Kill Shot* was published on February 23, 2021. *Kill Shot* is the untold story of the worst contaminated drug crisis in U.S. history. The book is eye opening as it reveals the story of the deadly impact of the 2012 fungal meningitis outbreak and the greed and deception that fueled it.

Jason was a 2018-2019 Knight Science Journalism fellow at MIT, and is currently on the national investigative team at The Associated Press. His work has appeared in hundreds of newspapers, magazines, and websites including the Washington Post, The Guardian, Bloomberg BusinessWeek, The Seattle Times, Miami Herald, Chicago Tribune and The New York Times. Jason's journalism has twice been nominated by The AP for the Pulitzer Prize.



ABBY ROTH

Abby Roth is the Senior Director of Business Operations at CriticalPoint, LLC, a health care training and development company, specializing in sterile compounding. In addition to operational responsibilities, she develops curriculum for CriticalPoint's elearning modules and live training classes.

Abby served as an expert committee member for the USP Compounding Committee from 2015 to 2019 and served as the chair for CAG-009, 011, and 013 action committees. She has been invited to speak for state Boards of Pharmacy and for organizations such as the National Home Infusion Association (NHIA) and the American Society of Health-System Pharmacists (ASHP).



JIM HUNTER

Labconco Corporation
Senior Project Engineer
Responsible for new product development and current product technical support for the following products:

- Class I and II Biological Safety Cabinets (BSCs)
- Vertical and Horizontal Flow Clean Benches, PCR Enclosures
- Ventilated Animal Enclosures
- Ventilated Forensics Products



JIM WAGNER

Jim Wagner, the president of Controlled Environment Consulting (CEC), has been involved in the Controlled Environment performance evaluation industry since 1979. His consulting includes design and evaluation of sterile compounding facilities, containment facilities and

other engineering controls. Jim conducts international training on cleanroom and containment device design and certification. Prior to founding CEC, Jim was the President of Micro-Clean, a certification and validation company. Jim led the Controlled Environment Testing Association's (CETA) efforts to develop guidance documents for compliance with USP Chapter 797. Jim was a member of the USP Compounding Expert Committee (2005-2010, 2015-2020). Jim is a steering committee member for NSF/ANSI standard 49 Biosafety Cabinetry: Design, Construction, Performance, and Field Certification. Jim was a two-time president of the Controlled Environment Testing Association including being CETA's first president in 1991-92. Jim was awarded CETA's Mel First award for outstanding contributions to the advancement of certification and testing of controlled environments.

SPEAKER BIOS



JON RAJALA

Jon Rajala is a Senior R&D Product Engineer for AAF Flanders based out of their Clean AIR Center for global research and development in Jeffersonville, Indiana (near AAF corporate HQ in Louisville, Kentucky). In his 5 years with AAF, Jon has supported development of filtration products,

filter media, and application development for Total Cost of Ownership Diagnostic, SAAF Tech Tools, and VisionAir Clean. He also currently manages the Clean AIR Center test labs and participates in filtration related standard committees for ASHRAE and ISO. Prior to joining AAF, Jon earned his PhD from the chemical engineering department at The University of Akron with a research focus on electrospun nanofibers for filtration.



ADAM W. MEADE, Ph.D.

Adam W. Meade, Ph.D. is the owner of Scientific Organizational Solutions and Professor in the Department of Psychology at North Carolina State University. Dr. Meade specializes in quantitative analytic methods and psychometrics applied to the workplace. He is an active researcher and software

developer specializing in advanced psychometric models and algorithms. He was named Fellow of both the Society for Industrial/Organizational Psychology and the Association for Psychological Science in 2014. He is a member of the editorial board of several academic journals and his publications have been cited over 9000 times. He is also the founder and director of the NC State Psychometrics Lab.



KYLE MULDER

As Associate Training and Technical Manager at Technical Safety Services LLC, Kyle Mulder is part of the team responsible not only for staying up to date with current industry requirements and trends, but also to incorporate changes into internal processes and disseminate information throughout

the company nationwide. Kyle stays as active in the certification community as possible serving on NSF/ANSI 49 Joint committee, CAG 009 and CAG 003 review committees, CAG 011 creation committee, secretary for IEST-RP-CC050 Design and Construction considerations for USP <800> compliant suites, and teaching courses through IEST on compounding compliance aspects in addition to publishing several articles with the International Journal of Pharmaceutical Compounding. With 17+ years of varied contamination control experience, NSF accreditation, CETA SCF accreditation, NEBB CPT CP accreditation supplemented with numerous training courses Kyle has the tools to continually push the boundaries of quality, technique, and compliance within our industry.



RANDY BLEW

Randy Blew has been in the business of laboratory air since 1996, when he received a summer internship conducting fume hood and BSC testing while obtaining his AAS degree in Environmental Science from Wake Technical Community College. He has been with 3Flow, inc. (formerly

Exposure Control Technologies) since 1998, and is the senior Laboratory Services Project Manager. In this capacity he conducts commissioning, standardized regular testing projects, and specialized energy optimization projects at lab facilities nationally and internationally. He also is on the staff of the 3Flow Training Services division, and conducts training for a variety of applications, including fume hood test and safety training. He is from Marceline, MO originally and is a veteran of the United States Coast Guard. He currently lives in Raleigh, North Carolina.



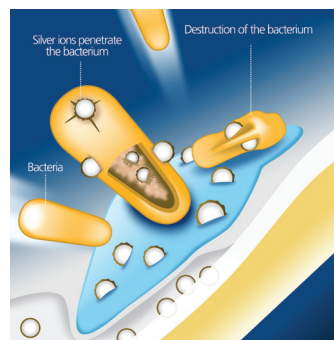
Easy to Use Controller



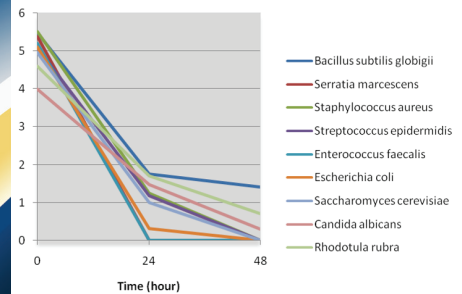
Sentinel[™] Gold Microprocessor Controller

- Displays all safety information on one screen
- 4-Digit PIN menu access. No secret key combination
- Diagnostic button to assist service

ISOCIDE[™] Anti-Microbial Powder Coating



Isocide[™] performance



**COME TO OUR
TROUBLESHOOTING CLASS
AND GET OUR FREE, UPDATED
TROUBLESHOOTING BOOKLET!**

At Esco Manufacturer's
Update on August 21,
Saturday at 10 am
Venue: Peppermill Resort,
Reno, NV
See you there!



ESCO

Esco Technologies, Inc.
903 Sheehy Drive, Suite F, Horsham, PA 19044, USA
Phone: 215-441-9661 Ext.2 or 6 | Fax: 484-698-7757 | Web: escolifesciences.us
Email: eti.service@escoglobal.com



New Certification Offerings

CriticalPoint is excited to announce the release of three new offerings developed to meet the needs of certification professionals responsible for certification compliance of the sterile compounding facility.

Field Certification eLearning

- 9 lessons covering the major testing and certifications related to sterile compounding primary and secondary engineering controls

Field Certifier Peer Network Subscription

- Subscription providing content specific to field certifiers, and includes the ability to "Ask the Experts" three questions per year

Field Certification Standard Operating Procedures

- SOP and accompanying form templates to meet the unique operational and quality needs of a certification company performing testing for sterile compounding organizations

Visit www.criticalpoint.info/CETA to learn more

CriticalPoint, LLC, 11B Commerce Way, Totowa, NJ 07512

**We have protection
down to a science.**

labconco.com/biosafety

LABCONCO®



At Pamlico Air, we provide clean air & better health through quality air filtration products & services.

www.pamlico-air.com





Mobile and Podular Cleanrooms

Germfree was the first company to introduce mobile compounding trailers, and continues to innovate and further enhance this groundbreaking offering. Germfree also makes trailers and podular facilities for biopharma and biocontainment uses.

- USP <797> / <800> compliant cleanroom space
- Fully equipped with Germfree-manufactured Laminar Flow Hoods, Biosafety Cabinets, HEPA-Purge Pass-Throughs, and Custom Casework. Germfree sources Refrigerators, Freezers, Sinks and Storage Areas, delivering a turnkey solution
- Ideal solution for maintaining compounding operations during facility renovations
- Purchase and Lease options are available. *Learn more at germfree.com*

Standard and Custom Equipment

Germfree manufactures a complete line of standard and custom equipment for use in pharmacy, biopharma, and biocontainment applications, with a robust service team ready to assist anywhere in the world.



EXPERT ENVIRONMENTS

germfree.com

NOTES



BAKER

Where comfort meets
industry-leading dependability.

EdgeGARD®

Join Baker on Friday, August 20th, along with participating
manufacturers, for an interactive Electrical Troubleshooting
session featuring our own custom electrical boards
designed specifically for training!

As the pioneer and leading innovator of air containment, contamination
control and precision cell culture products, Baker doesn't take
shortcuts when it comes to protecting you or your research.

Our high-performance laboratory equipment is built with you in mind,
with industry-leading ergonomics, energy-efficient engineering, and
the lowest life cycle costs available. Baker products help you work
more comfortably, boost productivity, save money and minimize
environmental impact.

www.bakerco.com | [f](#) [t](#) [@](#) [in](#) [v](#)





COMPLETE YOUR LAB

with **The Safer Choice**



LabGard ES AIR NU-543

Class II, Type A2 Biosafety Cabinet

- Ideal for Sterile Hazardous Drug Compounding Systems as a Containment Primary Engineering Control (C-PEC)
- Up to 12 inch (305 mm) Access Opening
- Adjustable Telescoping or Motorized Auto-Rising Base Stand Options
- Optional IV Bar with 3 Height Locations and 6 Hooks for IV Drug Preparation
- Optional Back-Wall Cutout or Ergotron™ Arm for Keyboard/Mouse and PC Monitor
- Smooth Interior Option for Easy Cleanability
- Standard Prop-Up Stainless Steel Recessed Work Tray for Easy Cleanability



environmental,
product & personnel
protection

5 YEAR	WARRANTY
	PARTS + LABOR + FILTERS
	United States & Canada

**Contact your local NuAire distributor
for international warranty details.*



Ergotron™ Arm



IV Bar w/ 6 Hooks
Three (3) Bar Height Options



Work Tray Prop-up Bar



Smooth Interior

NuAire, Inc. | 2100 Fernbrook Lane | Plymouth, MN 55447 | U.S.A. | www.nuaire.com

© Copyright 2021. NuAire, Inc. All Rights Reserved.

The background of the entire page is a photograph of a resort pool area. In the foreground, there's a large, clear blue swimming pool. Beyond it, there's a lounge area with many white lounge chairs arranged in rows. Several palm trees are scattered throughout the scene, some in planters and others growing naturally. In the background, the ocean is visible under a clear blue sky.

CETATM 2022

Controlled Environment Testing Association

**MARRIOTT RESORT &
SPA GRANDE DUNES
MYRTLE BEACH, SC
APRIL 8-11, 2022**

*Annual
Conference*