

# PROGRAM AND EXHIBITOR INFORMATION

## Controlled Environment Testing Association 22<sup>nd</sup> Annual Meeting

April 11-15, 2014 • Hyatt Regency • Austin, TX

ceta

# Schedule of Events

## CETA 22nd Annual Meeting

April 11-15, 2014 • Hyatt Regency • Austin, TX

### Thursday, April 10

**3:00 pm - 7:00 pm** **CETA Board of Directors Meeting**  
*SWB Private Dining Room*

### Friday, April 11

**1:00 pm - 7:00 pm** **Wally Whitt Memorial Golf Tournament**  
*The Golf Club at Star Ranch  
2500 FM 685  
Hutto, TX 78634*

**3:00 pm - 5:00 pm** **AAF International Manufacturer Update**  
*Foothills II, 17th Floor*

### Saturday, April 12

**11:00 am - 8:00 pm** **Registration**  
*Texas West & Central Foyer*

**8:00 am - 11:00 am** **RCCP-SCF Written Multiple Choice Examination**  
*Foothills II, 17th Floor*

**8:00 am - 11:00 am** **RCCP-SCF Written Practical Beta Examination**  
*Big Bend B*

**8:00 am - 10:00 am** **Camfil Manufacturer Update**  
*Hill Country B-D*

**10:00 am - 12:00 pm** **NuAire Manufacturer Update**  
*Hill Country B-D*

**12:00 pm - 1:00 pm** **NSF Steering Committee**  
*Foothills I*

**1:00 pm - 5:00 pm** **CETA Series Presentation: USP 797 – Get Dressed, Blow Smoke, Scan and Plate it!**  
*Texas Ballrooms 4-7*

*Speakers: Abby Roth-Azzur Labs, Jim Wagner-Controlled Environment Consulting, Adam West-Agape Instruments, Kym Faylor-Azzur Labs, Michael Moore-Advanced Testing and Certification, Nick Karlowsky-Filtech, Inc., Tony Caughron-TEC Services, Marc DuBois-Advanced Testing and Certification, Wayne McGrew-Camfil*

Hands-on Presentations include:

1. Gowning Validation, Displacement airflow/Effective Returns
2. Isolator Viable Testing
3. Dynamic Smoke Testing
4. Overview of the basics for field testing with an Aerosol Photometer, including basic end user field safeguards for preventive equipment maintenance.

**4:00 pm - 7:00 pm** **Exhibitor Setup**  
*Texas Ballrooms 1-3*

**7:00 pm - 9:00 pm** **Opening Reception**  
*Texas Ballrooms 1-3*

### Sunday, April 13

**7:15 am - 1:30 pm** **Registration**  
*Texas West & Central Foyer*

**7:00 am - 8:00 am** **Breakfast/Exhibits**  
*Texas Ballrooms 1-3*

**8:00 am - 12:30 pm** **CETA Annual Meeting General Session**  
*Texas Ballrooms 4-7 unless otherwise noted*

**8:00 am - 8:10 am** **Conference Welcome**  
*Speaker: Jeff Serle, CETA 2014 Program Chair*

**8:10 am - 8:30 am** **President's Address**  
*Speaker: Nick Flynn, CETA President*

**8:30 am - 9:00 am** **Presentation: Zero Airflow Reversal**  
*Speaker: Benjamin Fontes, MPH, CBSP of Yale University*

The Zero Airflow Reversal presentation will illustrate a novel approach for the confirmation of the containment capability of BSL-3 laboratories under normal operating parameters and under ventilation failure conditions. The test is utilized when slight positive pressure readings have been identified during failure mode testing during annual facility validations. The approach utilizes theatrical smoke and photometers and also the use of small particle fluorescent micro beads and impaction samplers to evaluate the emanation of particles from within the containment envelope. The fluorescent beads are used as a safe surrogate to microorganisms to mock a worst-case spill event during ventilation system failure. Data from preliminary evaluations using theatrical smoke and from spills of fluorescent bead solutions will be presented.

Learning Objectives:

1. Demonstrate two protocols for aerosol containment challenge for BSL-3 laboratories that can be used under normal ventilation and failure scenarios.
2. Show how to use site-specific information to develop a mock spill protocol for worst-case event release testing.
3. Learn how to identify the Critical Evacuation Points (CEP) for BSL-3 facilities.
4. Identify the impact of opening and closing doors adjacent to BSL-3 laboratories in the aftermath of a spill or release event under failure mode conditions.

**9:00 am - 9:30 am** **Presentation: Certification Around the World**  
*Speaker: Dave Phillips of ThermoFisher Scientific*

# Schedule of Events *(continued)*

9:30 am - 10:00 am

## **Presentation: Evolution of Airflow Pattern Testing**

*Speaker: David Brande of Cleanroom Project Management*

Airflow Pattern Testing. In the beginning, our industry was challenged with showing unidirectional flow of the filtered air through the production areas, primarily in the microelectronics industry. As time passed, the bio/pharma industry became more interested in the understanding of how air movement through the critical areas of production affected the product. This lecture will move from a historical recap of the procedure to our present day challenges and lessons learned.

Learning Objectives:

1. Different ways to perform this procedure
2. Why we perform the procedure the what we do and why
3. Common pitfalls of performing this procedure

10:00 am - 10:30 am

## **Break**

*Texas Ballrooms 1-3*

10:30 am - 11:10 am

## **Presentation: CAG 009 Handling Samples / Chain of Custody**

*Speaker: Herbert Layman of US Micro-Solutions*

This presentation includes a brief description of bacteria & fungi with a discussion on types of agar media and air sampling volumes. The handling and shipping of samples to the laboratory will be emphasized with a brief review of properly filling out a chain of custody.

Learning Objectives:

1. Basic description of bacteria and fungi
2. Types of agar media for sampling and a brief description of air sampling
3. How to package samples and the shipping requirements to lab
4. How to properly fill out a chain of custody

11:00 am - 11:30 am

## **History of HEPA Filters and Testing**

*Speakers: Shawn Windley & Charlie Kwiatkowski of Flanders Corporation*

Through the years, the HEPA filter industry has grown with uses branching out from the original government research project in WWII. The production and testing of these products have evolved as technology has improved. In this presentation, we plan on taking you through a brief timeline of the technology and testing from its inception to cutting edge modern day advances in the technologies and applications.

Learning Objectives:

1. Clearly Understand common industry terminology
2. Learn where HEPA filter came from and why
3. Learn how they were originally utilized and how much its evolved since
4. Learn about the initial production and testing methods as compared to today's methods.

## **Equipment Manufacturer's Forum**

**1:30 pm**

The Baker Company..... Hill Country A  
Clordisys..... Hill Country B  
Holland Safety Equipment..... Hill Country C  
Lighthouse Worldwide Solution..... Hill Country D

**2:00 pm**

The Baker Company..... Hill Country A  
DRS Laboratories..... Hill Country B  
Holland Safety Equipment..... Hill Country C  
Lighthouse Worldwide Solution..... Hill Country D

**2:30 pm**

Degree Controls..... Hill Country A  
Esco Technologies..... Hill Country B  
ThermoScientific..... Hill Country C  
AAF International..... Hill Country D

**3:00 pm**

Degree Controls..... Hill Country A  
ESCO Technologies, Inc..... Hill Country B  
ThermoScientific..... Hill Country C  
AAF International..... Hill Country D

**3:30 pm**

Steris Corporation..... Hill Country A  
NuAire..... Hill Country B  
Camfill..... Hyatt Parking Lot/Camfill Trailer

**4:00 pm**

Steris Corporation..... Hill Country A  
Camfill..... Hyatt Parking Lot/Camfil Trailer

## **Officers**

**PRESIDENT: Nicholas T. Flynn**, B&V Testing Inc.

**PRESIDENT-ELECT: Jeff Serle**, Germfree Laboratories, Inc.

**SECRETARY/TREASURER: David Brande**, Cleanroom PM

**IMMEDIATE PAST PRESIDENT: Tony McGrath**, The Baker Company

## **Directors**

**Tony Caughron**, TEC Services, Inc.

**Wayne A. Copeland**, CEPA Operations, Inc.

**Marc DuBois**, Advanced Testing and Certification

**Kym Faylor**, Azzur Labs

**Nick Karlowsky**, Filtech, Inc.

**Kenneth W. Mangis**, Eli Lilly and Company

**Rob Peat**, H.E.P.A Filter Services, Inc.

**Todd Urton**, Quality Cleanroom Consulting

## **Staff**

**Executive Director:** Felicia Kenan Boyles

**Membership Services:** Amanda Wujik

*continued on next page*



# Schedule of Events *(continued)*

11:30 am - 12:00 pm

## Industry Updates:

- NSF 49  
*Speaker: Bill Peters of NuAire*
- IEST  
*Speaker: Tony Caughron of TEC Services*
- Spec Guide  
*Speaker: Robert Peat, CETA Spec Guide Committee Chair*
- CNBT  
*Speaker: Nick Karlowksy, CNBT Chairman*

12:00 pm - 12:30 pm

## Update on Compounding Regulations Including Upcoming USP Positions on Hazardous Drug Compounding

*Speaker: Jim Wagner, Controlled Environment Consulting*

12:30 pm - 1:30 pm

## Lunch

*Sponsored by Shortridge Instruments, Inc.  
Marker 10*

1:30 pm - 5:00 pm

## Equipment Manufacturer Forum

*(See schedule on previous page)  
Hill Country A-D*

## Monday, April 14

7:00 am - 8:00 am

## Breakfast/Exhibits

*Texas Ballrooms 1-3*

8:00 am - 12:00 pm

## CETA Annual Meeting General Session

*Texas Ballrooms 4-7 unless otherwise noted*

8:00 am - 8:10 am

## Conference Updates

*Speaker: Jeff Serle, CETA 2014 Program Chair*



8:15 am - 9:00 am

## Presentation: Pharmacy Cleanroom Operations: "Under the Microscope"

*Speaker: Tim Hoggard, RPh, of Shands at the University of Florida*

The tragic meningitis outbreak of 2012 linked to contaminated sterile injections from the New England Compounding Center has placed pharmacy sterile compounding in the media and public eye. This is not an isolated contamination event. Similar events have been documented and published for decades. State and federal agencies have responded with increased regulation of sterile compounding. New federal legislation, Drug Quality and Security Act, more clearly defines differences in compounding practices, and allows high volume compounders to register with the FDA.

### Learning Objectives:

1. Participants will be able to describe previous drug related events that led to significant federal legislation.
2. Participants will be able to describe the purpose of USP Chapter 797.
3. The participant will be able to list 2 potential reasons for continued contamination errors even after adoption of USP Chapter 797.
4. The participant will be able to differentiate between "traditional compounders" and "outsourcing facilities" as described in the Drug Quality and Security Act.

9:00 am - 9:45 am

## Presentation: RCCP-SCF Examination Question & Answer Session

*Speaker: Michael H. Jones, PhD, of Professional Testing, Inc.*

An overview of the process followed to develop and validate the: Registered Cleanroom Certification in Sterile Compounding Credentialing Examination. The process is guided by testing industry standards and includes: job analysis, item development, item review, pilot testing, item/test analysis, standard setting, pre-equating and examiner correlational analysis.

### Learning Objectives:

1. To provide participants with a better understanding of the process for validating a certification examination
2. To give participants a chance to ask questions about how the test was developed and ongoing validation efforts

9:45 am - 10:30 am

## Break/Exhibits

*Texas Ballrooms 1-3*

10:30 am - 11:00 am

## Presentation: New Small Space / BSC Decontamination Technology

*Speaker: Steve Feinstein of SixLog Inc*

This presentation will introduce a new hydrogen peroxide based technology, called "Spinning Disc Technology", for decontamination. This product called Phileas and distributed by Sixlog Corp, is made in

# Schedule of Events *(continued)*

France, and is ideal for small areas and devices. This technology will be presented primarily for its application in decontaminating biosafety cabinets and other small devices and areas.

Learning Objectives:

1. How does spinning disc technology work
2. What level of kill can be achieved
3. What is the expected cycle time

11:00 am - 11:30 am

**Presentation: Pharmacy Cleanroom Design**

*Speaker: Ross Barrick of Modular Cleanrooms, Inc*

11:30 am - 12:00 pm

**Presentation: ClO2 Decon Case Study**

*Speaker: Terry Lewis of Lewis Testing Services*

12:00 pm - 1:00 pm

**Lunch**

*Marker 10*

1:00 pm - 5:00 pm

**CETA Series: Decontamination**

Presentations to include:

1. Surface Decon  
*Speaker: Jim Hunter of Labconco*
2. Decon with the MCS of a Biological Safety Cabinet  
*Speaker: Ron Schmidt, Jr of DRS Laboratories*
3. VHP Biodecontamination of Biological Safety Cabinets  
*Speakers: Arthur Papineau, BS ChE, MBA and Larry Zanko, BS ChE, MBA, of STERIS Life Sciences*
4. Shipping Hazardous Materials

6:00 pm - 10:00 pm

**Annual Banquet – The Salt Lick BBQ**

*The Salt Lick*

*18300 FM 1826*

*Driftwood, TX 78619*

## Tuesday, April 15

7:15 am - 8:00 am

**Breakfast/ Exhibits**

*Texas Ballrooms 1-3*

8:00 am - 1:15 pm

**CETA Annual Meeting General Session**

*Texas Ballrooms 4-7 unless otherwise noted*

8:00 am - 8:10 am

**Conference Updates**

*Speaker: Jeff Serle, CETA 2014 Program Chair*

8:15 am - 9:00 am

**Presentation: Texas Sterile Compounding Law Update**

*Speaker: Paul Holder, R.Ph., Pharm.D of Texas State Board of Pharmacy*

9:00 am - 9:30 am

**Presentation: A2 Venting Risk Assessment And Energy Savings**

*Speakers: Jeff Smith of Agape Instruments and Ken Mangis of Eli Lilly*

The presentation will review the latest requirements for canopy connected A2 cabinets. Jeff Smith and Ken Mangis will offer up different strategies for helping the BSC owner deal with the canopy connected A2 cabinet according to its risk assessment and BSC utilization. Specifically, Ken will offer details on the energy consumed by a traditional BSC application.

Learning Objectives:

1. Provide certifiers with tools to guide the BSC owner through the requirements of NSF 49
2. Offer an overview of the risk assessment process and associated energy consumed by a BSC
3. Energy Savings
4. NSF Alarm Issues

9:30 am - 10:00 am

**Break/Exhibits**

*Texas Ballrooms 1-3*

10:00 am - 10:15 am

**Presentation: CETA Series Test Results**

*Speaker: Kym Faylor, Azzur Labs*

Results of the gowning validation during the USP 797 CETA Series workshop

10:15 am - 10:45 am

**General Election & CETA Business Meeting**

*Speaker: Nick Flynn, CETA President - 2014*

10:45 am - 12:00 pm

**CAG Working Groups CAG 003 & CAG 008**

*(Participation by registered guest only, observers welcome)*

- CAG 003  
*Moderator: Jim Wagner  
Big Thicket*
- CAG 008  
*Moderator: Nick Flynn  
Padre Island*

12:00 pm - 1:15 pm

**CAG Working Groups CAG 002 & CAG 009**

*(Participation by registered guest only, observers welcome)*

- CAG 002  
*Moderator: Bill Peters  
Padre Island*
- CAG 009  
*Moderator: Kym Faylor  
Big Thicket*

1:15 pm

**Meeting Adjourned**

1:30 pm - 3:00 pm

**CETA Follow-up Board Meeting**

*Big Bend A&B*

12:30 pm - 4:00 pm

**RCCP - SCF Practical Examination**

*Hill Country A&B*



# A Special Thanks to Our Sponsors and Exhibitors

## Platinum Sponsors

AAF International  
Camfil  
NuAire Inc

## Gold Sponsors

Air Techniques International  
B&V Testing, A Stericycle Business  
Germfree Laboratories  
TEC Services, Inc.  
The Baker Company

## Bronze Sponsors

EMD Millipore  
Filtration Group Inc.  
Flanders Corporation  
Kewaunee Scientific Corporation

## CETA Series Sponsors

Hardy Diagnostics  
Con-tec  
Azzur Labs

## Exhibitors

Booth 1P: Camfil  
Booth 2P: NuAire Inc.  
Booth 2: Lighthouse Worldwide Solutions  
Booth 3P: AAF International  
Booth 3: Steris Life Sciences  
Booth 4: Azzur Labs  
Booth 5: Esco Technologies, Inc.  
Booth 6: U.S. Micro-Solutions, Inc.  
Booth 7: TEC Services, Inc.  
Booth 8: EMLab P&K  
Booth 9: Germfree Laboratories, Inc.  
Booth 10: Filtration Group Inc.  
Booth 11: Kewaunee Scientific Corporation  
Booth 12: Clordisys Solutions, Inc.  
Booth 13: Holland Safety Equipment  
Booth 14: Thermo Scientific  
Booth 15: Aerobiology Laboratory Associates, Inc.  
Booth 16: Mar Co Purification  
Booth 17: EMSL Analytical Inc.  
Booth 18: EMD Millipore  
Booth 19: Eagleson Institute  
Booth 20: DRS Laboratories, Inc.  
Booth 21: SixLog Corp.  
Booth 22: Degree Controls, Inc.

Booth 23: Pathcon Laboratories  
Booth 24: Modular Cleanrooms, Inc.  
Booth 25: Air Techniques International  
Booth 26: Airflotek  
Booth 27: Flanders Corporation  
Booth 28: The Baker Company  
Booth 29: American Biological Safety Association  
Booth 30: Shortridge Instruments, Inc.

## Exhibiting Times

### Saturday, April 12, 2014

7:00 - 9:00 pm..... Opening Reception

### Sunday, April 13, 2014

7:00 - 8:00 am..... Breakfast/Exhibiting

10:00 - 10:30 am..... Break/Exhibiting

### Monday, April 14, 2014

7:00 - 8:00 am..... Breakfast/Exhibiting

9:45 - 10:30 am..... Break/Exhibiting

### Tuesday, April 15, 2014

7:00 - 8:00 am..... Breakfast/Exhibiting

9:30 - 10:00 am..... Break/Exhibiting





# Exhibitor Descriptions

## P1: Camfil

World leader in air filtration technology, Camfil offers state-of-the-art filtration solutions for cleanrooms and high containment spaces. Camfil manufactures HEPA and ULPA filters with flows as high as 600 fpm; and adsorbers for removing gaseous contaminants. Camfil's highly-engineered filter housings have reset the industry standard for biocontainment systems.

[www.camfilfarr.com](http://www.camfilfarr.com)

## P2: NuAire

NuAire has been universally recognized as a leader for more than 40 years in providing laboratory professionals with reliable products such as biological safety cabinets, CO2 incubators, Laminar Airflow equipment, animal facility products, ultra-low temperature freezers and centrifuges for the most demanding environments.

[www.nuair.com](http://www.nuair.com)

## P3: AAF

AAF International provides the most comprehensive air filtration portfolio in the Life Science and Pharmaceutical industry, offering clean air solutions that feature minimum environmental impact, lowest energy consumption, and the most effective total cost of design and operation. AAF offers full line particulate, gas-phase, and housing options for customized solutions.

[www.aafintl.com](http://www.aafintl.com)

## Booth 2: Lighthouse Worldwide Solutions

Lighthouse has the most complete line of particle counting and contamination monitoring solutions available. Including airborne particle counters, liquid particle counters, microbial samplers, facility monitoring systems. These solutions are now found in semiconductor, pharmaceutical, data storage, biotechnology, aerospace and defense industry facilities worldwide.

[www.golighthouse.com](http://www.golighthouse.com)

## Booth 3: Steris Life Sciences

STERIS Life Sciences is an industry leader in bioburden control technologies. With our Biodecontamination Services business and portfolio of VHP® Biodecontamination Systems utilizing STERIS's patented VHP Process Technology and proprietary Vaprox® Hydrogen Peroxide Sterilant, STERIS Life Sciences is the clear choice.

[www.sterislifesciences.com](http://www.sterislifesciences.com)

## Booth 4: Azzur Labs

Azzur Laboratories provides professional analytical GXP compliant testing services for the pharmaceutical, biotechnology and cosmetic industries. Such services include: environmental monitoring testing, cleaning validations, quantification of biological indicators, microbial identification, and many others with unparalleled testing and reporting services.

[www.azzurlabs.com](http://www.azzurlabs.com)

## Booth 5: Esco Technologies, Inc.

ESCO Technologies, Inc. - Since 1978 ESCO has emerged as a leader in the development of controlled environment, laboratory and cleanroom equipment solutions. Products sold include biological safety cabinets, fume hoods, ductless fume hoods, laminar flow benches, PCR cabinets, animal workstations, isolators, downflow booths, airshowers, incubators, ovens, and more.

[www.us.escoglobal.com](http://www.us.escoglobal.com)

## Booth 6: U.S. Micro-Solutions, Inc.

U.S. Micro-Solutions, Inc. specializes in the laboratory analysis of USP 797 culturable air, contact, and finger tip plates. We provide our customers with a specialized ISO classification report that enables them to accurately identify violations of USP 797 regulations. Call 724-853-4047 or visit [www.usmicro-solutions.com](http://www.usmicro-solutions.com) for more information on USP 797 testing and analysis.

[www.usmicro-solutions.com](http://www.usmicro-solutions.com)

## Booth 7: 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.

[www.tecservicesinc.com](http://www.tecservicesinc.com)

## Booth 8: EMLab P&K

EMLab P&K, a TestAmerica company, is one of the leading commercial IAQ laboratories in North America. EMLab P&K has over 90 service and drop-off locations throughout the United States. EMLab P&K specializes in microbial analysis including mold, bacteria, and USP <797> testing. More information about USP <797> services at:

[www.emlabpk.com/USP\\_797](http://www.emlabpk.com/USP_797)

## Booth 9: Germfree Laboratories, Inc.

GERMFREE specializes in the design and production of all-stainless steel laminar flow equipment for hospital and pharmacy use. GERMFREE manufactures a full line of USP <797> and NIOSH compliant barrier isolators as well as horizontal and vertical laminar airflow hoods and chemo hoods. GERMFREE has extensive experience with high containment applications, working with organizations including the United States military to develop equipment for the handling of biological and chemical agents. GERMFREE brings this experience in design and construction to the hospital and pharmacy markets. With over 50 years in the industry, GERMFREE has the experience to provide the best protection for patients, personnel and products.

[www.germfree.com](http://www.germfree.com)

*continued on next page*

## Exhibitor Descriptions *(continued)*

### Booth 10: Filtration Group Inc.

Filtration Group LLC is committed to product excellence, innovative solutions and customer service. We provide a full line of high quality filtration products for the HVAC, Turbine, Gas Phase, Cleanroom, Biosafety, along with their aftermarkets. Our extensive product line allows us to provide custom filtration solutions for a wide variety of challenging markets. Our service model has always been 'Right Filter. . . Right Place. . . Right Time'.

[www.filtrationgroup.com](http://www.filtrationgroup.com)

### Booth 11: Kewaunee Scientific Corporation

Kewaunee Scientific designs, manufactures and installs innovative products of high quality to the laboratory market. The Company's corporate headquarters and manufacturing facilities are located in Statesville, North Carolina. The Interceptor Class II, A2 Biological Safety Cabinet is Kewaunee's latest design developed with comprehensive features enhance both safety and ergonomics.

[www.kewaunee.com](http://www.kewaunee.com)

### Booth 12: Clordisys Solutions, Inc.

Clordisys provides chlorine dioxide gas decontamination equipment for use on BSC's, HEPA housings, Incubators, Isolators, Rooms, and other enclosures. Chlorine dioxide gas is a safer alternative to formaldehyde and our CHEM-CD process is a simple, easily portable, NSF approved replacement for the decontamination of BSCs.

[www.clordisys.com](http://www.clordisys.com)

### Booth 13: Holland Safety Equipment

Holland Safety Equipment is the North American distributor for Temperature Electronics Ltd. TEL offers air flow alarms for fume hoods and bio-safety cabinets, room pressure alarms and VAV control products. HSE also offers smoke sources for airflow visualization and other consumables for CETA certifiers.

[www.hollandsafety.com](http://www.hollandsafety.com)

### Booth 14: Thermo Scientific

With Thermo Scientific biological safety cabinets, the certified performance and protection you receive on Day 1 stays with you every day. Not true with ordinary cabinets. With our proven reliability, ergonomics and energy efficiency, the ideal choice is the one you can trust completely. And not just on day one. Visit us at booth 14 or see our full portfolio of BSCs at

[www.thermoscientific.com/bsc](http://www.thermoscientific.com/bsc)

### Booth 15: Aerobiology Laboratory Associates, Inc.

Aerobiology Laboratory Associates, Inc. is an AIHA accredited testing laboratory. For 2014 new AeroMetric 797 report changes the way lab results are presented. With locations in Atlanta, GA, Denver CO, Phoenix, AZ, and the Washington D.C. area, we provide technical capabilities and outstanding levels of customer support by providing accurate, cost effective and timely results.

[www.aerobiology.net](http://www.aerobiology.net)

### Booth 16: Mar Cor Purification

Mar Cor Purification, a Cantel Medical Company provides water purification systems and service to medical, pharmaceutical and other bacteria controlled applications. Mar Cor additionally provides filtration/separation and disinfectant technologies to the medical and life science market through a worldwide distributor network.

[www.mcpur.com](http://www.mcpur.com)

### Booth 17: EMSL Analytical Inc.

EMSL Analytical, Inc. is an AIHA accredited, FDA registered, DEA licensed, and cGMP compliant laboratory for compounding pharmacies and parenteral drug manufacturers impacted by USP 797. We offer microbiological, chemical, and physical testing for active pharmaceutical ingredients, environmental monitoring samples, and product release testing required under USP guidelines.

[www.emsl.com](http://www.emsl.com)

### Booth 18: EMD Millipore

EMD Millipore BioMonitoring is a top player in the field of industrial microbiology and process monitoring. This business field provides state-of-the-art testing methods, regulatory expertise and outstanding service to provide that one invaluable result: maintaining the safety of your products. Focus markets include Pharmaceutical, BioPharma, Food and Beverage, Environmental and Cosmetics.

[www.emdmillipore.com](http://www.emdmillipore.com)

### Booth 19: Eagleson Institute

Celebrating twenty-four years, the Eagleson Institute is a non-profit foundation with a mission to promote the principles and practices of laboratory safety. We value the role that certifiers play in the advancement of a safe work environment and look forward to supporting the industry's future training needs.

[www.eagleson.org](http://www.eagleson.org)

### Booth 20: DRS Laboratories, Inc.

DRS Laboratories, Inc. is the Manufacturer of the MCS (Mini Chlorine dioxide System). Having explored alternative technologies to improve quality, timeliness, and cost of performing routine BSC decontaminations, DRS



## Exhibitor Descriptions *(continued)*

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.

[www.drslaboratories.com](http://www.drslaboratories.com)

### Booth 21: SixLog Corporation

SixLog introduces a new patented spinning disk technology which nebulizes active agents, reducing them to micro droplets, then diffuses the droplets to decontaminate surfaces. This innovative technology perfectly integrates in any bio-cleaning procedure and risk infection management strategy and is able to achieve a six log kill of virus and bacteria. Compact and robust, the battery powered portable unit is particularly well suited for small spaces (up to 5000 cubic feet).

[www.sixlog.com](http://www.sixlog.com)

### Booth 22: Degree Controls, Inc.

Assurance of Safe and Proper Airflow within the BSC/Fume Hood markets is our goal. We design and manufacturing air velocity measuring sensors and alarms for Certification and Long Term Monitoring. Use our SashFLOW for automated data logging or our Rooster for Airflow Alarms to meet NSF-49

[www.degreec.com](http://www.degreec.com)

### Booth 23: PathCon Laboratories

PathCon Laboratories offers microbiological laboratory and consulting services in indoor air quality issues. We provide custom sampling protocols, sampling media, air sampler rental, bacterial and fungal counts and identifications, and data interpretation to assist pharmaceutical compounding facilities in evaluating microbial bioburden as described in USP 797.

[www.pathcon.com](http://www.pathcon.com)

### Booth 24: Modular Cleanrooms

Modular Cleanrooms supplies and installs modular soft and hardwall cleanrooms. Rooms can meet or exceed USP 797, ISO 8 to 5 and federal standard 209E, Class 100,000 to 1,000. We can also retrofit existing labs and upgrade your current cleanroom.

[www.modularcleanrooms.com](http://www.modularcleanrooms.com)

### Booth 25: Air Techniques International

Air Techniques International (ATI) is the global leader in testing equipment for specialized air filters and masks. Since 1961, we've enabled our customers to improve product quality, ensure worker health and safety; complying with the most stringent testing standards and regulations. ATI is the trusted resource for government, military, nuclear, and commercial industries.

[www.ATItest.com](http://www.ATItest.com)

### Booth 26: Airflotek

Founded in 1982, Airflotek is a distributor of air filtration systems including fan & filter modules, HEPA/ULPA filters, terminal ducted modules, cleanroom ceilings & cleanroom lighting, softwall cleanrooms, air showers, pass-throughs, HEPA filtered vacuums, shoe cleaners, cleanroom furniture, laminar flow equipment & cleanroom construction.

[www.airflotek.com](http://www.airflotek.com)

### Booth 27: Flanders Corporation

Flanders provides the most complete line of filtration products available, specializing in high efficiency air filtration products. We design, manufacture and market the highest quality filter and containment filtration systems necessary to filter and contain dangerous airborne contaminants for the medical, biological and pharmaceutical industry. Flanders is Foremost in Air Filtration.

[www.flanderscorp.com](http://www.flanderscorp.com)

### Booth 28: The Baker Company

As the world leader in the design and manufacture of biological safety cabinets, clean benches and fume hoods, Baker thrives on helping scientists and researchers achieve their mission in almost every kind of endeavor and a wide variety of industries, including biotech, pharmacy, governmental, clinical and medical education research.

[www.bakerco.com](http://www.bakerco.com)

### Booth 29: American Biological Safety Association

The American Biological Safety Association (ABSA) was founded in 1984 to promote and expand biological safety expertise. To accomplish this core purpose, ABSA offers training opportunities, laboratory accreditation, publications, networking, biosafety resources, and an annual biological safety conference.

[www.absa.org](http://www.absa.org)

### Booth 30: Shortridge Instruments, Inc.

AirData Multimeter kits include industry-standard pitot tubes, static pressure probes, tubing and two proprietary probes, which make air-balancing faster and easier. The AirFoil probe is a single-point velocity probe with a straight shaft design for easy duct insertion. The VelGrid is a 16-point, velocity-averaging grid, which is useful for exhaust hoods, cleanroom filter outlets, laminar flow workstations and large filters and coils.

[www.shortridge.com](http://www.shortridge.com)

# Speaker Bios

## Ross Barrick

Ross Barrick is President of Rocky Mountain Air, Inc./Modular Cleanrooms, Inc. He brings more than 36 years of cleanroom design/build and certification, new construction and remodel along with all areas of air filtration sales, to the industry. His affiliations with ASHRAE, IES and SMACNA has assisted with the growth of Modular Cleanrooms.

Ross has held numerous leadership roles within the Company to continue expansion in all aspects of air filtration and cleanroom construction. His knowledge of air filtration and cleanroom design/build has kept Modular Cleanrooms as the leader in the cleanroom Industry working with architects, engineers, HVAC companies as well as helping the average business professional understand cleanrooms and the filtration requirements in terms that they can understand to help them grow their business.

Ross has played a key role in the development and expansion of cleanroom design and sales in the US and internationally. Modular Cleanrooms has supplied, manufactured, installed and certified over 1 million sq. ft. of modular hard and soft walled cleanrooms. We have extensive background in product and application knowledge. Current and past customers have included NASA, US Secret Service, military and aerospace companies, medical device and pharmaceutical manufacturers, hospitals, long term care and home infusion pharmacies.

## David Brande

David Brande brings 29 years of experience in the cleanroom industry. David was a founder and President of Contamination Control Technologies, Inc., for 19 years. The company specialized in providing cleanroom and biological containment certifications, as well as international consulting services, to the pharmaceutical, medical device and biomedical research industries until purchased by nnepharmaplan in August of 2005. David left nnepharmaplan in 2007 and is currently Lead Consultant for Cleanroom Project Management, Inc.

David served for six years (2006-2012) as Chairman of the ISO/Technical Committee 209 an international committee that oversees the two ISO standards governing cleanroom industries worldwide, known as ISO-14644 and ISO-14698 and the eleven documents they comprise.

David is a 1977 graduate from North Carolina State University with a Bachelor of Science Degree with Honors.

David has been certified as an:

- Accredited BioSafety Cabinet Field Certifier by NSF International, (1994-2004)
- Cleanroom Performance Testing Professional by NEBB (1994-2014)
- Qualified HEPA/ULPA Filter Tester by the IAQCA (1994)

David is an active member of

- International Society of Pharmaceutical Engineers (ISPE),
- Controlled Environment Testing Association (CETA) and
- Institute of Environmental Sciences & Technology (IEST)

With ISPE, he is a recent Past President of the Carolina South Atlantic Chapter and a current member of the HVAC-COP Steering Committee

With CETA, David served as President in 1996/1997 and is currently Treasurer of the Board of Directors and also a committee member of the CETA National Board of Testing (CNBT) charged with writing, both written and practical, test questions for certification tests administered to technicians worldwide.

With IEST, he has held voting Chairs on Contamination Control working groups that write recommended practices for the US cleanroom industry including: 002 (testing work stations), 006 (testing cleanrooms) and 034 (testing HEPA/ULPA filters).

## Steve Feinstein

Prior to becoming the Director of Sales at SixLog Corp, Steve was the Regional Sales Manager for Bioquell Inc., a British manufacturer of hydrogen peroxide vapor generators, and he covered the Western half of North America for them.

Before his days with Bioquell, Steve had his own company for 12 years, Medical Repair Laboratories Inc, which was one of the first companies to test, certify and decontaminate controlled-environments and critical laboratory equipment.

Steve decided to sell his business to a national competitor, ENV Services in 2001 and became their Director of Sales, Marketing and Business Development. He worked for ENV services for 4 years and later relocated to Arizona with his family.

Steve served as President of CETA in 2001 and was a member of the board for the 3 years prior.

Steve graduated from the George Washington University and has over 20 years of experience within his current field of expertise.

## Benjamin Fontes, MPH, CBSP

Ben Fontes is the Biosafety Officer at Yale University (1995 to present) and also serves as a Manager of the Yale Environmental Health and Safety (EHS) Safety Advisor Program (2000 to present). He holds a certification as a Biological Safety Professional with the American Biological Safety Association (ABSA) and the American Society of Microbiology (January 1998). He is currently a member of the Board of the International Federation

## Speaker Bios *(continued)*

of Biosafety Associations (IFBA, term 2011 – 2014). Ben was elected and served as the 2010 President of the American Biological Safety Association (ABSA), and also held two terms as a member of the ABSA Executive Council. He has 26 years of experience in occupational health and safety, including 22 years practicing Biosafety. He obtained a BA in Biology from Wesleyan University, and an MPH in Industrial Hygiene from the University Of Michigan School Of Public Health.

### Tim Hoggard, RPh

Tim Hoggard is currently the Sterile Compounding Quality Control Specialist at the University of Florida Health Shands Hospital, Pharmacy Services. He is responsible for the development and management of the environmental monitoring program, management of regulatory requirements, training and competency assessment of cleanroom staff, and end-product testing for all pharmacy cleanrooms in the department. Mr. Hoggard gained his BS in Biology from the University of North Carolina at Wilmington, and BS in Pharmacy from the University of Georgia. He spent 13 years as a clinical staff pharmacist, and 17 years as Operations Coordinator, both at Shands Hospital. Mr. Hoggard maintains a primary role in the comprehensive evaluation and comparison of vendors of outsourced sterile products for Shands Hospital.

### Michael H. Jones, PhD

for 25 years Mike Jones has held senior executive positions for various large scale certification and licensure testing programs, providing 10,000 to 250,000 examinations annually. He holds a Ph.D. in Measurement and Program Evaluation from Florida State University. He is currently a Senior Psychometrician for Professional Testing Service and works in the Tallahassee Florida office. Professional Testing is based in Orlando Florida.

### Charlie Kwiatkowski

Charlie has spent 41 years in the air filtration industry, 33 of those years with Flanders Filters Inc. and 8 years working with Purolator Air Filtration Company and Farr company. Charlie has a background in Air Filtration manufacturing, construction & onsite field-testing and certification of HEPA & ULPA grade filters. He is also a member of NAFA and a Certified Air Filtration Specialist. Charlie holds a Bachelor of Arts degree in US History from East Carolina University.

### Herb Layman, BS, SM, CIEC

Herb Layman, BS, SM, CIEC, is owner and Technical Manager of U.S. Micro-Solutions, Inc. (USMS), Environmental Microbiology Laboratory located in Greensburg, PA since 1996. A graduate of Juniata College of Huntingdon, PA, he has graduate training in genetics & microbiology at West Virginia

University and the University of Pittsburgh. Mr. Layman has held supervisory positions in microbiology laboratories with Montefiore Hospital, Med-Chek laboratories in Pittsburgh, PA and DEYOR laboratories in Youngstown, OH and Pittsburgh, PA. Mr Layman holds memberships with the American Society for Microbiology, the American Society of Clinical Pathology with a Specialist in Microbiology (SM) and the American Council for Accredited Certification (ACAC) as a Certified Indoor Environmental Consultant (CIEC).

### Ken Mangis

Ken Mangis, El MBA is a Project Engineer at Eli Lilly and Company focused on delivery of Local Capital Projects in the Parenteral Site Projects group at Lilly Technology Center in Indianapolis. As an engineer in Parenteral Manufacturing, Ken is responsible for executing projects from Facilities related HVAC and infrastructure projects to Packaging equipment retooling and controls revision. Ken has spent time in Facilities Engineering roles in Dry Products Manufacturing and Lilly Research Labs. Prior to joining Eli Lilly, Ken worked as a channel partner for Phoenix Controls, Aircuity, Strobic, EnviroSep, and Flanders in the Indiana area. Ken has worked in many roles such as a consultant in corrosion control and pharmaceutical validation, and as a manufacturing process engineer at Ford and Toyota. He obtained a BS degree in mechanical engineering from Rose-Hulman Institute of Technology in Terre Haute, Indiana. He is registered as an engineer intern in Indiana and obtained his MBA from Xavier University in Cincinnati, Ohio. He is a member of the Controlled Environment Testing Association (CETA). Ken has been serving as a member of the Board of Directors for CETA since 2008. Ken has contributed to the board and has progressed through the executive committee with CETA helping lead the organization in the past few years.

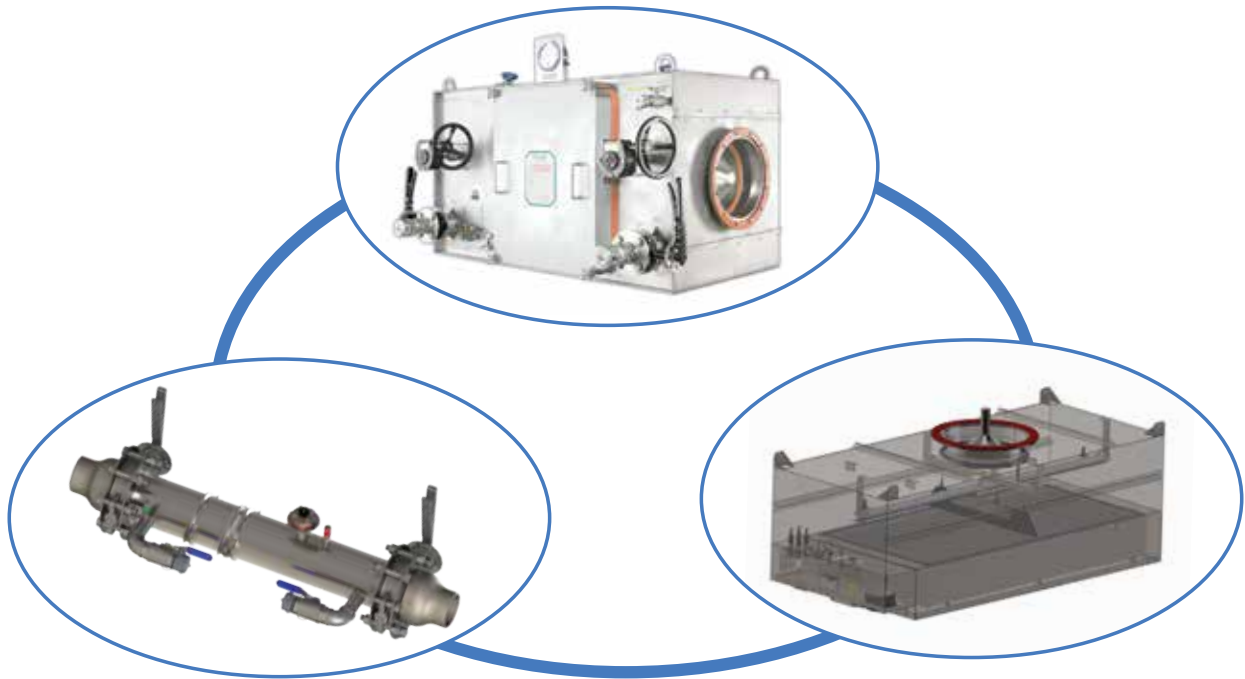
### Jeff Smith

Jeff Smith started working in the industry in 1987 for AGAPE Instruments Services, Inc. providing Certification Services to many industries. Jeff now serves as President of AGAPE Instruments, Inc. a company located in Cincinnati, Ohio. Recently Jeff has served as President of Controlled Environment Testing Association (CETA) as well as serving on the Board for over seven years and presenting various topics at several CETA conferences.

### Shawn Windley

Shawn has served the Air Filtration industry in various research, engineering, testing, production, and sales roles for over 18 years. He holds a BS in Industrial Engineering from East Carolina University. He is the President Elect for IEST (Institute of Environmental Sciences and Technology) as well as a member of the ISPE (International Society for Pharmaceutical Engineers) HVAC Steering Committee.





## ADVANCING THE INDUSTRY WITH SAFE, NON-INTRUSIVE HEPA FILTER SCANNING.

Engineered with proprietary scanning technology, Camfil's containment solutions ensure precise filter certifications – **EVERY TIME.**

Certification tests are conducted without entering the housing and while labs are operational – eliminating downtime, minimizing maintenance personnel risk of exposure and preventing contamination escaping into adjacent spaces.



Scan the QR code below to access Camfil's newly-released, comprehensive guide for testing and selecting the right HEPA filters.



Filtration Group

HVAC



## Meeting All Your Filtration Needs



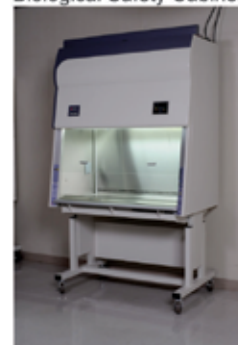
**When Clean Air Matters®**  
filtrationgroup.com - 877-344-8326

## KEWAUNEE® Scientific Corporation Interceptor

Vertical Laminar Flow



Biological Safety Cabinet



Total Laboratory Solutions  
Made in USA  
Innovative Designs  
Technological Expertise  
with a worldwide distribution network to provide  
laboratories that are truly World Class

[www.kewaunee.com](http://www.kewaunee.com)



## Reduce your risk.

Air and Surface Monitoring Solutions  
by EMD Millipore

- Active Microbial Air Samplers
- Settle and Contact Plates
- Swabs



EMD Millipore is a division of Merck KGaA, Darmstadt, Germany

## Limitless. Innovative. Quality.



- The industry's most diverse product line - from throwaway panel filters & HEPAs to Cleanroom products & nuclear containment housings
- Revolutionary 24| Advantage Application Suite offering access to real time pricing, a custom design configurator & the truest cost of ownership with our TOCM
- Providing solutions for custom & standard applications

**Flanders**  
FOREMOST IN AIR FILTRATION

[www.flanderscorp.com](http://www.flanderscorp.com) | 800.637.2803

# CETA CONFERENCE *2014* SPECIAL EVENT

Stericycle, Inc. Cordially Invites You to a Private Reception

*Building Relationships*

Meet and network with controlled environment testing colleagues, industry experts, and Executives from B&V Testing, a Stericycle business.

*Sunday, April 13, 2014 • 6:30 p.m. - 9:30 p.m.*

**Hyatt Regency Austin**  
208 Barton Springs Road • Austin, Texas

**Join us in the Foothills II Ballroom** – for refreshing beverages, a buffet of unique appetizers, and networking

**R.S.V.P. by March 28, 2014 to Raylene Heslop**  
rheslop@stericycle.com or (847) 607-2098



**Bring your business card for a chance to win one of five iPad Airs we will be raffling off during the evening.**



**Innovating how YOU do business**

***2i Digital Aerosol Photometer - the most advanced Photometer***



**Complete control via the new iProbe**

- **All** instrument functionality in hand
- Full Graphic Display at Probe
- Plug & Play Capability
- Many time saving features!

**(410) 363-9696**

**[www.atitest.com](http://www.atitest.com)**

**Filter Testing Equipment**

**Products**

**Service**

**Calibration**



THE WORLD LEADER IN CLEAN AIR SOLUTIONS



## **AIR FILTRATION** Your first line of defense

Air filtration is the key difference between success and failure in protecting your people and processes. Technological advancements in filtration media now offer higher durability resulting in reduced contamination risk.

[www.aafintl.com](http://www.aafintl.com)



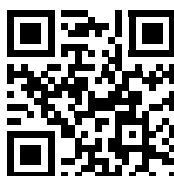
BETTER AIR IS OUR BUSINESS®



## NuAire Laboratory Equipment: ergonomically designed

In every NuAire product you'll find brilliant but practical design, keen attention to detail in every phase of the fabrication and assembly process, thoroughly tested, outstanding value, and dependable service. These are the foundation for NuAire's international reputation, and practical reasons why NuAire is universally recognized worldwide as the finest.

- Biological Safety Cabinets
- Bench Top Centrifuges
- Laminar Airflow Workstations
- Biological Enclosures
- CO2 Incubators
- Animal Handling Equipment
- Ultra-low Freezers
- And more



Learn more about NuAire Products at  
[www.nuaire.com/05156](http://www.nuaire.com/05156)



NuAire is a proud corporate sponsor of the IFBA. Learn more about our collaboration at [www.nuaire.com/ifba](http://www.nuaire.com/ifba)



Facebook: /nuaire Twitter: @nuaire LinkedIn: /nuaire YouTube: /nuaire

2100 Fernbrook Lane | Plymouth, MN 55447 | U.S.A. | 763.553.1270 | WWW.NUAIRE.COM

# S t e r i l G A R D<sup>®</sup>

## Welcome to the new SterilGARD<sup>®</sup> e3

- New styling to match our other cabinet models and to reflect the new Baker brand identity
- NSF-approved for all models and all sash heights
- More uniform downflow across the work surface
- Reduced downflow in 5-foot model produces less noise and uses 23% less energy
- High-pressure composite plumbing cleans easily and is non-corrosive
- All components critical to cabinet operation are easily accessible from the front panel for easier maintenance and less downtime
- New audible and visual power/processor fault alarm alerts users when there has been a power failure or processor fault

For more information and resources, including white papers, videos, specifications and more, visit us at booth 28

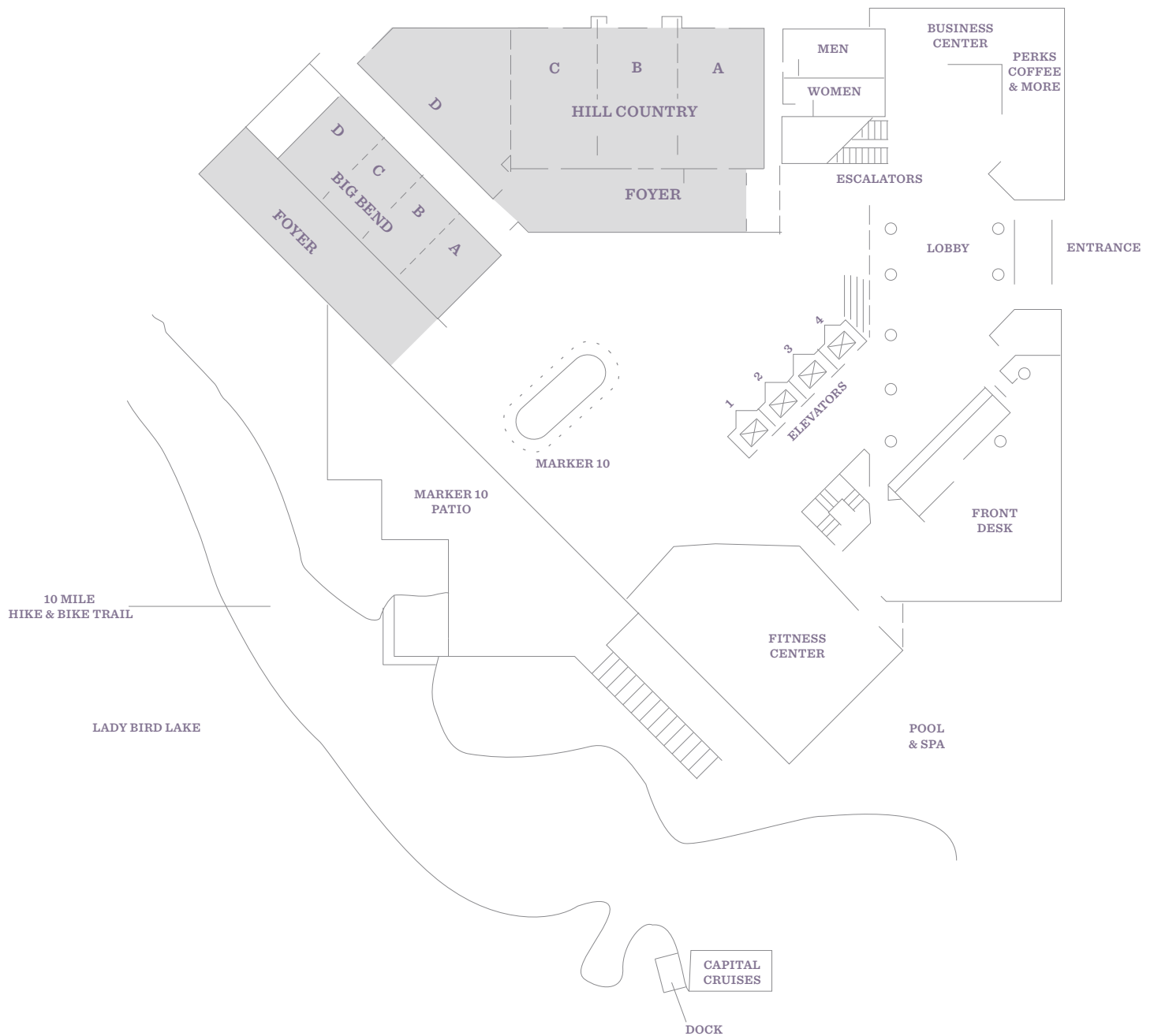
**BAKER**





# Hyatt Regency Floor Plan

## FLOOR PLAN First Floor

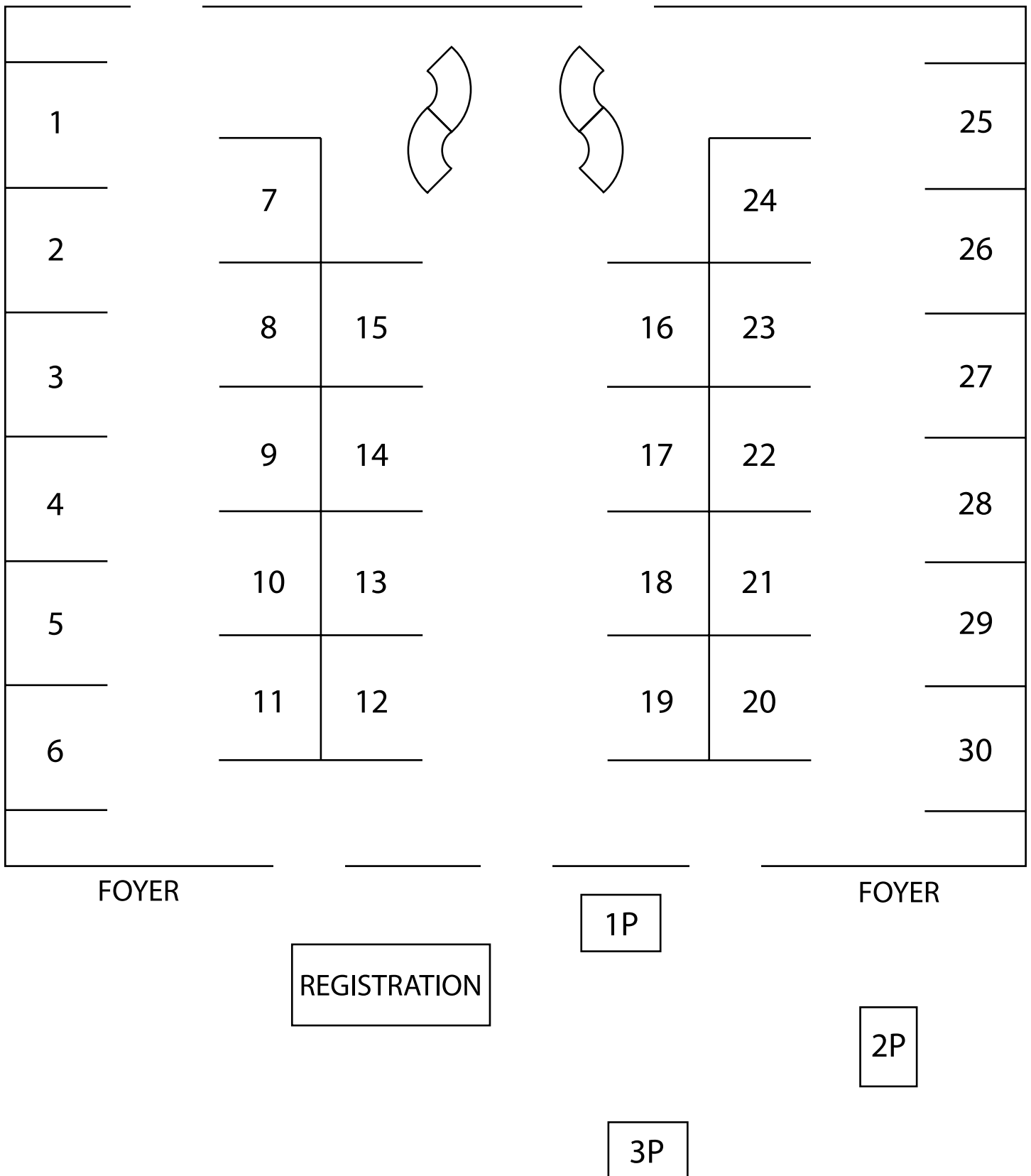


*Note: Guest Elevators call randomly.*

*Elevators 1 & 2 will go to floors 1-17 (Foothills Ballroom)*

*Elevators 3 & 4 will go to floors 1-16, with a short staircase to the 17th floor.*

# Exhibit Hall Floor Plan



**Mark Your Calendars!**

# **CETA's 23<sup>rd</sup> Annual Conference**

**April 17-21, 2015**

**Sandestin Golf and Beach Resort**

**Destin, Florida**

