

# Cleanroom Performance Testing (CPT) Seminar

March 9-11, 2020

Gaithersburg, MD

## This Seminar is Designed for:

This seminar is intended for individuals with a minimum of two years of cleanroom testing experience, including:

- Technicians and managers with at least two years' experience in cleanroom performance testing
- Cleanroom operators
- Hospital facility maintenance and management personnel
- Pharmaceutical safety and compliance professionals
- Safety and biosafety professionals
- NEBB Cleanroom Certified Technicians seeking to achieve the CPT CP certification
- Individuals wishing to refresh or advance their understanding of cleanroom performance

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## Location:

**NEBB TEC**

8575 Grovemont Circle

Gaithersburg, MD 20877

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Registration Deadline:

**February 24, 2020**





## Seminar Instructors:



### Patrick Law

Pat Law is founder and owner of a cleanroom certification company (HEPATEST, Inc.) with over 30 years' experience in performance testing and certifying cleanrooms. He continues to serve NEBB as the chair of the NEBB cleanroom committee and member of the NEBB board of directors. He has taught numerous seminars and helped develop NEBB's cleanroom programs and cleanroom standards. Patrick is very active in other industry organizations such as IEST, ISPE and CETA.



### Brian Weldon

Brian is founder and owner of a cleanroom certification company (Delta-P, Ltd.) with over 30 years' experience in cleanroom testing, air balancing and HVAC&R industry. He is a time served air-conditioning and refrigeration engineer and holds a Bachelor of Science degree in Building Services Engineering from Trinity College, Dublin. He is a current CPT CP and member of the NEBB Cleanroom Committee.



### Tiffany Russell

Tiffany Russell is founder and owner of IND Analytical, LLC located in the Pacific Northwest. She is the current NEBB Chairman for the Cleanroom Performance Testing (CPT) discipline committee. Within NEBB she is a CPT Certified Professional, appointed SME and is a Certified Technician in Sound Measurement. With 18 years of industry experience, she and has traveled the world supporting customers and is a member of other industry organizations promoting critical environment testing such as IES and CETA.





## About This Seminar:

**Cleanroom testing must be performed to ensure that cleanrooms comply with design and performance criteria. Typically done by third-party professionals, cleanroom testing identifies deficiencies and conformity to cleanroom testing standards and documents. This practice helps owners to verify system performance and ensure regulatory compliance.**

NEBB cleanroom Certified Firms require instruments to perform testing and at least one CPT Certified Professional who conducts cleanroom performance testing in accordance with the NEBB Procedural Standards for Certified of Testing Cleanrooms. The Cleanroom Performance Testing Seminar provides practical instruction needed for this specialized discipline. Attendees will learn from professional presentations, class lessons and interactive discussions.

### Learning Objectives

- Understand the *NEBB Procedural Standards for Certified Performance Testing of Cleanrooms*
- Learn best practices for certified testing of cleanrooms in healthcare, pharmaceuticals, microelectronics and other environments
- Review critical guides, standards and codes for cleanroom testing
- Analyze case studies focusing on real-life scenarios and solutions

### Seminar Topic Overview

- This seminar will include the following subjects:
- Air Velocity and Volume testing
- Room Classification and Standards
- Room Pressurization
- Leak Testing HEPA Filters using a Photometer
- Leak Testing HEPA Filters using a Particle Counter
- Optional Secondary Cleanroom Tests
- Cleanroom Protocol and cGMP
- Report Review
- SOP and SOP Generation
- Safety Program
- Instrument Calibration Program
- Technician Training



*This Seminar has been approved for 21.75 Continued Education Credits*



## Seminar Schedule:

If you are interested in certification and taking the exams, please contact [certification@nebb.org](mailto:certification@nebb.org)

### **Monday, March 9, 2020**

**(7.25 CECS)**

**7:30 am:** Registration

**8:00 am – 5:00 pm:** HEPA Filter Leak Scan, Photometer, Particle Counter, Protocol and SOP's

*(Lunch Provided)*

### **Tuesday, March 10, 2020**

**(7.25 CECS)**

**8:00 am – 5:00 pm:** Differential Pressures, Airflows and Safety Documentation

*(Lunch Provided)*

### **Wednesday, March 11, 2020**

**(7.25 CECS)**

**8:00 am – 5:00 pm:** Secondary Tests, Calibration Program and Reporting

*(Lunch Provided)*

### **Thursday, March 12, 2020**

Optional Exam Day

Registration starts at 7:30 am



## Travel Information:

We recommend all attendees that are unfamiliar with the seminar location or require travel from another location review the following information prior to registering for this seminar.

### Hotels:

Attendees can reservations directly with the hotel of their choice. Below is a short list of hotels in close proximity to the training center. Hotel and transportation costs are not covered by the seminar registration fee.

#### Homewood Suites Gaithersburg

805 Russell Ave  
Gaithersburg, MD 20879  
301-670-0008  
Book a room [here](#)

### Airport:

Three airports service the Maryland/Washington Metropolitan area:

#### Ronald Reagan Washington National Airport

**(DCA):** 30 miles from facility; 37 minutes average drive time; \$80 average taxi fare.

**Dulles International Airport (IAD):** 33 miles from facility; 34 minutes average drive time; \$80 average taxi fare.

#### Baltimore/Washington International Airport

**(BWI):** 40 miles from facility; 44 minutes average drive time; \$100 average taxi fare.

## Important Dates and Times:

#### Arrival in Gaithersburg, MD

Sunday, March 8, 2020

#### Seminar Dates:

Monday-Wednesday, March 9-11, 2020

#### Optional Exam

Thursday, March 12, 2020

### Seminar Location:

**NEBB TEC**

8575 Grovemont Circle  
Gaithersburg, MD 20877



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# NEBB MARCH CPT SEMINAR REGISTRATION FORM

**Registration form and payment must reach the NEBB office on or before February 24, 2020.**

Pre-registration and payment of fees are necessary to ensure your participation in the seminar.

Three ways to register:

1. Online through the [Certelligence Portal](#)
2. Email this form to [training@nebb.org](mailto:training@nebb.org), or
3. Mail this form to: NEBB, 8575 Grovemont Circle, Gaithersburg, MD 20877.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone/Cell: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Chapter: \_\_\_\_\_

Please list any dietary restrictions:

\_\_\_\_\_

## Seminar Fees (Check all that apply)

\$1200 CPT Seminar Registration Fee

## Publication Fees

\$95 NEBB Procedural Standards for Certified Testing of Cleanrooms

\$600 NEBB Study Course for CPT Certified Testing of Cleanrooms

## Payment Method

Check enclosed made payable to NEBB

Visa  MasterCard  American Express

Name on Card \_\_\_\_\_

CC Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

Security Code \_\_\_\_\_

Signature \_\_\_\_\_

\$\_\_\_\_\_ **Total Amount Paid**

*\*Prices for publications do not include shipping and handling*

**Cancellation Policy:** Cancellation by registrants, regardless of reason, will be subject to a \$250 service charge to cover NEBB's expenses. A refund of the prepaid registration will be made less the \$250 service charge. No Shows or late cancellations (those who registered for the seminar who do not cancel at least 14 days prior to the seminar and subsequently do not attend the course) will forfeit the entire registration fee unless a replacement can be found. NEBB reserves the right to cancel any seminars having insufficient registrants, in which case, all prepaid registration fees will be refunded in full. Please advise NEBB and your hotel of your cancellation as soon as possible.





## Recommended Publications:

To achieve the best learning results, it is highly recommended that attendees **read the following publications BEFORE** attending the seminar:

- *NEBB Procedural Standard for Certified Testing of Cleanrooms* (available through [www.nebb.org](http://www.nebb.org))
- *Cleanroom Performance Testing Home Study Course* (available through [www.nebb.org](http://www.nebb.org))
- CPT Seminar Presentation Handouts and Notes
- *IEST RP 034*
- *IEST RP 006*
- *ISO 14644-1*
- *ISO 14644-3*
- *Aseptic Processing Guidance (FDA)*
- *EU Guideline Annex 1*

Instructor assumes that all attendees have a thorough working knowledge of the requirements of these NEBB publications prior to attending the seminar. Publications can be purchased online at [www.nebb.org](http://www.nebb.org).

## Important Reminders:

1. Registrations will be filled on a “first come-first served” basis.
2. Seminar fees include course instruction, lunch, am/pm breaks.
3. **Seminar fees do not include anything pertaining to certification. For information on certification or exams please contact [certification@nebb.org](mailto:certification@nebb.org).**



## Questions About This Seminar?

Call 301-977-3698 or email [training@nebb.org](mailto:training@nebb.org)