



CONTAMINATION CONTROL WORKSHOP

@ Politecnico of Milano – Energy Department

OCTOBER 18th 2024 MILAN, ITALY

THE WORKSHOP WILL BE REPEATED ON OCTOBER 19TH FOR THE ICCCS 50 YOUNG PROFESSIONALS PROGRAM

Workshop has been designed for a limited number of attendees: **Max 32 PAX**

WHY A CONTAMINATION CONTROL WORKSHOP AND A HANDS-ON TRAINING?

The science and practical day training will be held at the White Box Contamination Control Research Facilities of the Energy Department at Politecnico of Milano Bovisa site, including lectures and demonstrations by academia and industry SME, Subject Matter Expert.

TARGET AUDIENCE

The hands-on workshop is designed for anyone involved in cleanroom and contamination control technologies who wants to gain a deeper understanding of the topics covered through a practical approach. This includes:

- Engineers who design and build cleanrooms;
- Commissioning agents who test and verify the performance of cleanrooms;
- End users who work in cleanrooms;
- Maintenance personnel who keep cleanrooms in operation;
- Validation personnel who ensure that cleanrooms meet the required standards.

BENEFITS

The workshop will be beneficial for anyone who wants to:

- Learn about the latest trends and technologies in cleanroom design and construction;
- Gain hands-on experience with cleanroom equipment, instrumentation and procedures;
- network with your peers in the field.

Hands-on learning is a proven effective way to learn new skills and concepts.

This workshop will provide participants with the opportunity to learn from experienced academic professor & SME and to practice their skills in a supportive environment.

LEARNING OBJECTIVES

Upon completion of the workshop, participants will be able to:

- Demonstrate understanding of the concepts covered in each station.
- Apply the skills learned in each station to their own work. This hands-on workshop is a valuable learning opportunity for anyone who wants to learn more about the topics covered. Participants will gain the skills and knowledge they need to be successful in their career.



WORKSHOP ORGANIZATION

The workshop is organized and hosted by the White Box Contamination Control Research Facility of Politecnico di Milano in collaboration with ASCCA and ICCCS.

Politecnico di Milano is a world-renowned university with a strong reputation in science and engineering for research, academic and post-graduate program activities. The organization by Politecnico di Milano guarantees high quality of lecture contents and practical experiences maximizing participants expectations.

VENUE

White Box Contamination Control Research Facilities – HVAC Research Group, Department of Energy – Politecnico di Milano
Address: Via Lambruschini 4 – Campus Bovisa Sud – Building BL25, Milan, Italy.

The Energy Department of Politecnico di Milano is a pioneer in developing new global approaches to energy and environmental issues.

The Contamination Control Workshop will be held at the White Box Contamination Control Research Facility. This facility features a comprehensive suite of environmental monitoring tools. It also includes an ISO 4 grade cleanroom (Whitebox), a unidirectional air flows Body Box for contamination source characterization, and various capabilities for evaluating the cleanroom suitability of materials and equipment.

PROGRAM

MORNING SESSION

Scientific and Technological Principles for Afternoon Hands-on Training. This session will provide a theoretical foundation for the practical experiences you will encounter in the afternoon session.

AFTERNOON SESSION

Afternoon hand-on Training: participants will rotate through 4 practical training stations, with 8 attendees per station. Each station will offer 90 minutes of Hands-on training focused on specific aspects of contamination control. The official language will be English.

FEES AND REGISTRATION 18TH OCTOBER 2024

- **ISCC Attendees:** 600 Euro + VAT
- **NO-ISCC Attendees:** 800 Euro + VAT
- **Registration on-line** on ISCC website: www.iscc2024.com
- The **maximum number** of participants is 32

FEES AND REGISTRATION 19TH OCTOBER 2024

- This workshop is **dedicated to Young Professionals** attending ISCC2024 in Milan
- **Free** for people registered with the 50YP
- The **maximum number** of participants is 25



TIMELINE FOR BOTH WORKSHOP DAYS: 18TH -19TH OCTOBER 2024

08.15	REGISTRATION
08.45	Course Presentation
09.15	Part 1 - Contamination Emission Rate F. Romano - K. Agricola
10.00	Part 2 - Cleanroom Testing A. van Tongeren - C. Rossi
10.30	Coffee Break
10.45	Part 3 - CFD Computational Fluid Dynamic in Cleanroom L. Marocco - L. Galligani
11.15	Part 4 - Airborne Particle Measurement M. Petrone - H. Solmaz
11.45	LAB1 - Environmental Particle Measuring F. Romano - M. Petrone - H. Solmaz
13.00	Lunch Break
14.00	LAB2 - Filter Integrity Test (FIT) C. Delaney - A. Von Tongeren - C. Rossi
	LAB3 - CFD in Cleanroom L. Marocco - L. Galligani - M. Guilizzoni
	LAB4 - Emission Rate in Body Box F. Romano - K. Agricola
	LAB5 - Virtual Reality - Cleanroom Experience A. Daviddi - C. Murray
16.00	Coffee Break
16.15	LAB2 - Filter Integrity Test (FIT) C. Delaney - A. Von Tongeren - C. Rossi
	LAB3 - CFD in Cleanroom L. Marocco - L. Galligani - M. Guilizzoni
	LAB4 - Emission Rate in Body Box F. Romano - K. Agricola
	LAB5 - Virtual Reality - Cleanroom Experience A. Daviddi - C. Murray
18.00	CONCLUSION & PARTECIPATION AWARD CERTIFICATES





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ASCCA

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