

## HOW TO PARTICIPATE

In order to apply for this course please click the link below:

<https://www.polimi.it/en/corsi/master-universitari-e-corsi-post-laurea/translate-to-english-dettaglio-master/435>

and insert your application as requested.

The deadline for the application is **September 17, 2024**. Admission to the course follows a first-come, first-served.

Maximum number of participants on October 18<sup>th</sup> : **32** Maximum number of participants on October 19<sup>th</sup> : **25**

If the minimum number participants is reached, the course will start as planned. If not, the course will be postponed or cancelled. This communication will be sent to participants by 25 September 2024, along with detailed instructions on how to proceed with the payment of the registration fee.

If necessary, the Direction may modify the programme, the Faculty and the course teaching method.

In case of proven and serious circumstances preventing from participating to the course, the participant has got two options:

- To obtain the refund of the registration fee, provided that the subject student has duly informed the course staff by 1 October 2024.
- To keep on hold the registration fee, assuming the relevant amount is used for the following course session. In line with the above, this option is viable, as long as the course staff has been properly informed, again by 1 October 2024.

Politecnico di Milano is only liable for the refund of the registration fees already honored.

The Department of Energy's non-institutional training and special projects for university teaching comply with UNI EN ISO 9001-2015.



## DELIVERY STRUCTURE

Department of Energy

## COURSE DIRECTOR

Ing. Francesco Romano

## WORKSHOP CALENDAR

October, the 18th, 2024

October, the 19th 2024 (50YPs)

## VENUE

The workshop will be held in presence at the headquarters of the Department of Energy - Politecnico di Milano

Lab WHITEBOX | HVAC Group | Department of Energy - Politecnico di Milano, Campus Bovisa - La Masa, Via Lambruschini 4, 20156, Milano.

Classroom & Lab Experience | Department of Energy - Politecnico di Milano, Campus Bovisa - La Masa, , Via Lambruschini 4, 20156, Milano.

## REGISTRATION FEE – October 18th

- **ISCC attendees 600 € + VAT**
- **NO-ISCC24 attendees 800 € + VAT**
- Registration on-line on ISCC website [www.iscc2024.com](http://www.iscc2024.com) or **sito PoliMI**
- The maximum number of participants is **32**
- The minimum number of participants is **16**

## REGISTRATION FEE – October 19th

- This workshop is dedicated to Young Professionals attending ISCC 2024 in Milan
- Free for people registered with the 50YP
- The maximum number of participants is **25**

## STAFF

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## DIRECTION

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MILANO 1863**

DIPARTIMENTO DI ENERGIA



# CONTAMINATION CONTROL WORKSHOP October 18th, 2024

The workshop will be repeated on  
October 19th for the ICCCS 50 Young  
Professionals Program.

## TARGET AUDIENCE

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.

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.

## LEARNING OBJECTIVES

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.

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.

## CERTIFICATE of ATTENDANCE

At the end of the workshop, the organizers will provide a certificate of attendance to those who will have attended in 90% of the activities.

## 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.-

## PROGRAM

### MORNING SESSION

Scientific and Technological Principles for Afternoon Hand-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**.

## TIMELINE – for both workshop days: October 18th and 19th, 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 – 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 Esperienze (A. Daviddi – C. Murray)

16:00 – Coffe 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 Esperienze (A. Daviddi – C. Murray)

18:00 – Conclusion & Partecipation Award Certificates