



# CONNECTING THE DOTS... OF CONTAMINATION CONTROL

15-18 OCTOBER 2024 MILAN, ITALY

The 26th symposium theme is “connecting the dots... of contamination control” highlighting the link of different technologies and applications **interconnecting** various aspects of Contamination Control. The aim is to provide quality, robustness and reliability of the different processes in any area of utilization.

Integrating such different knowledge and skills is the **key of innovation**. Hence, the Symposium will provide an **interdisciplinary** program for all stakeholders of the contamination control chain creating an interactive scenario to **exchange ideas**, strengthen existing research **networks** and build new ones.

Offering two distinct perspectives, the event will provide a horizontal overview encompassing broad subjects like Standards, Sustainability, Cleanroom Design, Barrier Technologies, and Environmental Monitoring, while also delving vertically into specific sectors such as Life Science, Healthcare, Microelectronics, and Aerospace. Scheduled for October 16 and 17, 2024, the diverse range of topics covered will enable attendees to delve into various areas and enhance their expertise.

Whether participants opt to connect the thematic “dots” to form a comprehensive understanding or prefer to chart a unique course, the Symposium guarantees an engaging and enlightening experience for all involved. This event presents a unique occasion to establish meaningful connections, nurture collaboration, and inspire tangible actions for the future.

Attendees will have the opportunity to **engage** with industry leaders, regulators, and peers through **networking events** like workshops, tutorials and site visits.

## GENERAL INFORMATION

### THE SYMPOSIUM PROGRAM IS AS FOLLOWS

**October 15th** - welcome cocktail at Hotel Melià

**October 16th** - opening ceremony, conference sessions & exhibition. Social evening (Participation in the social evening of October 16th at Palazzina Appiani is not included in the conference fee. The ticket is 100€ and can be purchased during the registration process (max 200 places)

**October 17th** - conference sessions, exhibition, closing ceremony

**October 18th** - Contamination Control Workshop / Technical Tours - Not included in the symposium registration

**All participants are required to register.**

**2 - days conference fee includes:** conference kit, attendance to all sessions, welcome cocktail on October 15th, 4 coffee breaks, 2 lunches (Oct 16 and 17), certificate of attendance, proceedings (digital)

**1 - day conference fee includes:** conference kit, attendance to the session of the selected day, welcome cocktail on October 15th, coffee breaks and lunch of the selected day, proceedings (digital)

## SYMPOSIUM (15-17 OCTOBER) FEES AND REGISTRATION

	EARLY REGISTRATION BY JULY 17TH, 2024	STANDARD REGISTRATION FROM JULY 18TH, 2024
Conference - 2 days	€ 900	€ 1.200
ASCCA member* - 2 days	€ 800	€ 1.100
Conference - 1 day	€ 800	€ 900
ASCCA member* - 1 day	€ 700	€ 800
Social event October 16th evening (max 200 places) - Palazzina Appiani	€ 100	€ 100

\*ASCCA member fee is valid for: soci ordinari / soci sostenitori / dipendenti soci sostenitori.

### REGISTRATION ON-LINE

Symposium registration (October 15-17)

[www.iscc2024.com/registration](http://www.iscc2024.com/registration)

Workshop registration (October 18)

<https://iscc2024.com/registration-workshop/>

**TOPICS - 16TH OCTOBER 2024**

**PLENARY SESSION - STANDARDS & REGULATIONS**

**Update and Progress on ISO/TC209 WG2 towards a new ISO 14644-20**

Conor Murray (3 Dimension)

**Impact of the Paradigm shift in GMP regulations on 'Connecting the Dots' in Contamination Control**

James L. Drinkwater (PHSS)

**Cleanroom operations control program (New ISO 14644-5)**

Koos Agricola (Brookhuis/ICCS)

**Beyond ISO TR 14644-21 - dealing with airborne particle sampling challenges in the field**

John Hargreaves (JHAC / ASPEC)

**PARALLEL SESSION  
CLEANROOM DESIGN, OPERATION AND MAINTENANCE**

**Product Oriented Contamination Control**

Koos Agricola (Brookhuis/ ICCS)

**Ventilation efficiency: the impact of the temperature and velocity of the incoming air and internal heat loads**

Leonello Sabatini (Lesatec Srl)

**Use of CFD simulation to optimize ventilation effectiveness in cleanrooms - case study**

Lapo Galligani (Techniconsult Firenze) - Toni Valente - (Pierrel Italia)

**Ventilation effectiveness in practice**

Frans Saurwalt (Kropman)

**Experimental and Computational Study of Upflow Cleanrooms**

Takahiro Ishino (Tonets)

**PARALLEL SESSION  
BARRIER TECHNOLOGIES**

**Meeting the challenges of H2O2 Biodecontamination with innovation in rapid validation methods**

Kate Marshall (Protak)

**Discover the Power of Biological Indicators: Unveiling the Science Behind Ensuring Impeccable Bio-Decontamination in Isolators**

Maria Luisa Bernuzzi (Mesa Labs) - Federica Straforini (BSP Pharmaceuticals)

**Gloveless Robotic Filling Line How to Meet Industry and Regulatory Requirements**

Julian Petersen (Groninger)

**Design of isolators for aseptic fill-finish in extreme environmental and containment conditions**

Giacomo Guidi (IMA Life)

**Airflow Visualization Studies: The Impact of Annex1 on Sterility Assurance**

Luca Calisi (Particle Measuring Systems)

**PARALLEL SESSION  
MICROELECTRONICS AND ASSOCIATED TECHNOLOGIES**

**Study - The semiconductor industry in the context of the European economy**

Udo Gommel (Fraunhofer)

**A holistic approach for a large Wafers Fab. An Italian case study**

Angelo Colleoni (Global Wafers - MEMC)

**Design essentials for future ready Micro/Nano Cleanrooms**

Eric Stuiver (Deerns)

**Study on the Regeneration Method of Cation Exchange Resin for Treating Trace Level Airborne Molecular Contaminants**

Wai Hoo Foong (Mayair)

**The NOA clean room facility for a large scale production of silicon detectors**

Lucia Consiglio (INFN LNGS)

**PARALLEL SESSION  
HEALTHCARE**

**Environmental microbiological monitoring strategies**

Laura Boschi (ProPharma)

**Product safety and OOS (out of specifications) management**

Monica Gunetti (OPBG)

**Technical and Regulatory challenges of "Point of Care Manufacturing"**

Andrea Urciuolo (PQE)

**Automated compounding of non-hazardous drugs**

Giuseppe Zucca (Jaserv)

**Updating the SIFO Standards for Galenics in Oncology: reporting results from the SIFO-ASCCA collaborating group**

Costantino Jemos (ASST Nord Milano)

## TOPICS – 17TH OCTOBER 2024

### PLENARY SESSION – SUSTAINABILITY AND INNOVATIVE APPROACHES

#### Sustainability Ambition: Carbon Net Zero and Net Nature Positive

Ilaria Lo Presti (GSK)

#### Energy saving and decarbonization in a new biopharma manufacturing facility

Pier Angelo Galligani - Giorgio Amato (Techniconsult Firenze)

#### Energy Optimisation and Regulatory Alignment in GMP Cleanrooms – application of the New ISO 14644-16 to the new Annex 1

Klemen Skrlec (Novartis) - Natasa Stirn (Klimer) - Conor Murray (3 Dimension)

#### Advances in sustainable solutions at Life Science Facilities

Keith Beattie (EECO2)

#### Case study on reuse/recycle of rain water in a pharmaceutical facility

Lilian Amaral (Novo Nordisk)

#### Critical issue of pharmaceutical waste management within the broader framework of achieving a net zero waste approach and embracing circularity principles

Ringa Samah (Veolia)

#### A Greener Semiconductor Industry Challenges & Opportunities

Reinier Richters (Deerns)

### PARALLEL SESSION CLEANROOM DESIGN, OPERATION AND MAINTENANCE

#### Integrated approach of HVAC design and commissioning

Carlo Magni (Wood Italia)

#### The advances in Hepa Filtration equipment to improve test & validation efficiency and accuracy on your site

Michael Feldtmann (Camfil)

#### Bridging the gap between construction and operations & maintenance

Chris Delaney - Andre van Tongeren (Apleona/ VCCN)

#### Maintenance strategies for cleanliness critical environments – Fast setups, high efficiency, cost-minimized

Udo Gommel (Fraunhofer)

#### Research on Humidity Control Using a Desiccant wheel inside EFEM (Equipment Front End Module)

Seong Cheon Kim (Shinsung E&G)

#### High Potent OSD facility: Process Containment and Clean Room design

Emilio Moia - Ilaria Beccio (Jacobs Italia)

### PARALLEL SESSION LIFE SCIENCE

#### The Closed Processing Advantage: Optimizing Biopharma Facilities

Sarah Le Merdy (Merck KGaA)

#### How CFD can support CCS in C.R. design – Case study

Toni Valente (Pierrel) - Lapo Galligani (Techniconsult)

#### Annex 1: Contamination Control Strategy for Material Transfer in the Aseptic Area: Best Practice for Packaging and Surface Disinfection

Renee Buthe (Steris Life Sciences)

#### How to harness robotics in contamination controlled applications

Andrea Tanzini - (Staubli Robotics) - Filippo Parini (Steriline)

#### Leveraging emerging technologies for hydrogen peroxide bio-decontamination: from novel process data to real process impact

Martin Novak (Skan)

#### Potent OSD Global Supply

Marco Annoni (IMA Active Division)

## PARALLEL SESSION ENVIRONMENTAL CONTROL AND MONITORING

**Future QC Testing using automation and robotics – automated Environmental Monitoring**  
Anke Hossfeld (Merck Life Science )

**Continuous monitoring (Viable and Total Particle) according to the final revision of the European GMP Annex 1:2022 “Manufacture of Sterile Medicinal Products” – new requirements, next challenges and comparison with the previous regulation guideline**  
Diego Bompadre (Rigel Life Sciences)

**Microbiological environmental monitoring: a comprehensive analysis and procedure analysis for continuous monitoring according to EU GMP ANNEX 1 2022**  
Miriam Magri (CMC) - Francesco Romano -(Politecnico di Milano)

**Development of an environmental monitoring program for a cleanroom in the life science industry**  
Lene Blicher Olesen (Niras)

**Basics and beyond; How to Prepare Proper Contamination Control Strategy Document**  
Hasim Solmaz (Lighthouse worldwide solutions)

**Are all viable microorganisms culturable?**  
Michel Thibaudon (ASPEC)

## PARALLEL SESSION HEALTHCARE

**Evaluation of source strength in a dispersal chamber of three three new generation Clean Air Suits**  
Berit Reinmuller (Chalmers University of Technology)

**The development of ultraclean air operating rooms**  
Bengt Ljungqvist (Chalmers University of Technology)

**Operating theaters are not all the same: can laminar air flow really make a difference? A correlation study between HVAC systems and surgical site infections**  
Agnese Lucesoli (Ospedale Ancona)

## PARALLEL SESSION AEROSPACE

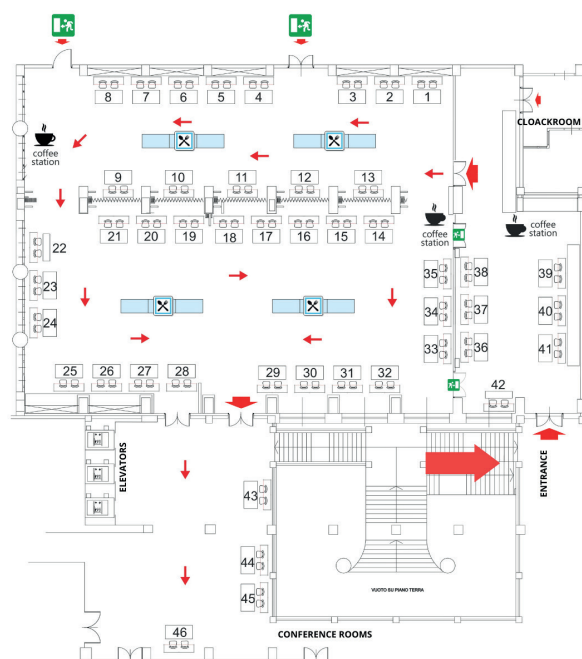
**Containment of terrestrial contamination in space missions to Mars**  
Diana Beatriz Margheritis (Thales Alenia Italia)

**Evaluation of advanced cleaning processes for sensitive surfaces in optical instrumentation**  
David Cheung (ECP)

**SAILOR Moon: Solar ultraviolet Light collector for Germicidal irradiation on the Moon**  
Lombini Matteo (INAF)

## EXHIBITION AREA

AZIENDE	N° STAND	AZIENDE	N° STAND
AAF SRL	30	MANN+HUMMEL MOLECULAR GMBH	43
ALSCO ITALIA SRL	37	MERCK KGaA	33
AM INSTRUMENTS	35	MESA LABS	8
AMIRA SRL	4	ORUM INTERNATIONAL	14
ASSING	12	PARTECO SRL	18
CAMFIL	17	PARTICLE MEASURING SYSTEM	44
CLEANROOM ITALIA SRL	28	PHA.SE	5
CROSSCURE	46	PHARMA QUALITY EUROPE	24
CSV LIFE SCIENCE GROUP SRL	26	QSGROUP	16
DAGARD ITALIA	32	RIGEL LIFE SCIENCE	7
DEERNS	29	RISE SRL	45
DOS&DONTS	21	SAGICOFIM SPA	27
DYCEM	13	SAUERMANN ITALIA	10
DYNACO EUROPE	34	SRL S.U.	15
ELEXIND SPA	38	SKAN AG	11
ELIS CLEANROOM	40	STERIS	23
F.P.S. FOOD AND PHARMA SYSTEMS SRL	6	TECHNICONSULT GROUP	9
IBD SRL	2	TECNINOX	39
ILC DOVER SA	22	TEMA SINERGIE SPA	41
IMA SPA	3	UV MEDICO A/S	31
IWT SRL	19	VALTRIA	1
LESATEC SRL	20	VELTEK ASSOCIATES INK	25
MANGINI SRL	36	VILEDIA PROFESSIONAL	45



**ASCCA Associazione per lo Studio e il Controllo della Contaminazione Ambientale**  
Piazza Marelli 2 – 27100 Pavia (Italy) – Cell +39 375 5385993