

Cleanzone 2019: For a clean future

Cleanzone is the most important and most international trade fair for contamination control and cleanroom technology in Europe. On **19 and 20 November**, it will be taking place for the eighth time in **Frankfurt am Main**.



Some 100 companies from Germany and abroad will be presenting their innovations to all industries that control contamination in their production processes. Cleanzone's interdisciplinary approach is aimed at the pharmaceuticals and food industries, manufacturers of medical technology, semiconductors, micro-mechanical and micro-optic components, and the automotive and plastics industries. The trade fair showcases innovations for the planning, construction and operation of production facilities, covering all the processes involved – from airlock entry to shipment of the finished products.

This autumn, Cleanzone will be focused on solutions that increase production efficiency. It is an area where innovation continues to be driven by digitalisation, which facilitates intelligent data processing, the deployment of robot technology and simulations based on the data obtained. When planning and constructing a production facility in which micro-organisms and particulate contamination are to be eliminated to the greatest possible degree, a change of perspective is required: the primary focus is not on building a cleanroom, but rather on designing a clean production process that is suitable for a particular product. This calls for flexible modules, such as tents, mini-environments, machine covers and containments.

These topics will also be covered at the Cleanzone Conference, the central knowledge forum at the trade fair. The conference's high-calibre programme has been put together with the know-how and expertise of three strong partners: the International Confederation of Contamination Control Societies (ICCCS), the German Cleanroom Institute (DRRI) and the VDI Association of German Engineers. In addition to the Cleanzone Conference, Cleanzone will also be hosting the presentation of the Cleanzone Award and the DRRI Research Award.

The latest information on Cleanzone can be found at:

www.cleanzone.messefrankfurt.com

www.cleanzone.messefrankfurt.com/whatsapp

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Cleanzone Conference: Knowledge straight from the source

Quo vadis cleanroom technology? The challenges for contamination control are increasing incessantly in many industrial sectors. This is being driven by the ever-decreasing size and growing complexity of components, as well as by extremely sensitive biopharmaceuticals.

How can contamination be controlled throughout the entire production process as efficiently as possible? What are the latest guidelines available for helping companies and getting them fit for the future? **Participants will be able to find out more about these topics at this year's Cleanzone Conference, which is taking place alongside the international Cleanzone trade fair on 19 and 20 November in Frankfurt am Main.**

Whether it be selecting the best cleanroom-compatible materials, working with nanoparticles and particle counters, cleanroom design or energy-efficient ventilation and air-conditioning technology – at the Cleanzone Conference, the crème de la crème of the international cleanroom technology industry will be showing companies how they can improve the quality and safety of their products. Participants will be given at first hand recommendations that have just been published in the latest national and international standards or that are currently being formulated as standards.

Among the experts who will be on hand are Dr. Udo Gommel (Fraunhofer IPA), Dr. Berthold DÜthorn (Robert Bosch Packaging Technology), Michael Kuhn (STZ Euro), Dr. Timo Krebsbach (HHAC Labor Dr. Heusler), Frans Saurwalt (Kropman Contamination Control) and Hasim Solmaz (Lighthouse Worldwide Solutions / Cleanroom Technologies Society of Turkey).

The quality of the Cleanzone Conference is guaranteed by three strong partners who have been directly involved in designing the programme for the first time this year: the International Confederation of Contamination Control Societies (ICCCS), the German Cleanroom Institute (DRRI) and the Association of German Engineers (VDI). Each of these partners designed one conference module.

The up-to-date programme can be found online at
www.cleanzone.messefrankfurt.com/conference

Tickets to the Cleanzone Conference are available here:
www.cleanzone.messefrankfurt.com/ticket



Messe Frankfurt and Wiley present the **Cleanzone Award**



Messe Frankfurt / Sandra Gätke

The industry's prestigious Cleanroom Award has a new name: the Cleanzone Award. Frank Duvernell, a close and long-standing partner of Cleanzone and founder of the Cleanroom Award, has handed over the award to Messe Frankfurt, which will be continuing it under a new name: the Cleanzone Award. The new partner is Wiley-Verlag, publisher of the trade journal ReinRaum-Technik. A total of eight finalists for the award will be presenting their latest innovations at Cleanzone on 19 and 20 November in Frankfurt.

Since 2012, the Cleanroom Award has been presented at the international trade fair for contamination control and cleanroom technology, and it has become a highly respected honour within the industry. Kerstin Horaczek, Group Show Director for Technology at Messe Frankfurt: "I would really like to thank Frank Duvernell for making the award what it is today. We are delighted that we can continue with this award, and that we have been able to gain the publishing house Wiley-Verlag as our new partner. With their invaluable expertise and excellent network in the cleanroom community, we will make this award even more important as an innovation driver in the industry in future."

The Cleanzone Award honours outstanding innovations that set new standards for efficiency in the field of contamination control and offer key concepts for the future of cleanroom technology. The award promotes innovation in a field whose role at the forefront of dynamic high-tech industry makes providing new solutions a regular necessity.

The companies and their innovations:

- Cleanroom.de:** myCleanroomShopAR
– Game-changer in cleanroom e-commerce
- Commend:** Commend Emergency and Danger Response System for Clean Rooms
ENSURING LOW RISK FOR HIGH TECH
- Friedrich Sailer:** Hygienic Design Magnet – Magnetic Mounting Solution for Cleanrooms
- Elis:** Reusable autoclave bags
- Ergo/Physion:** Tension Terminator:
The device that eliminates tension
- ISO One:** Cleanroom Lighting
- RAL:** The new standard colour RAL 9012
- VWR:** ViVi® - designed for high performance

All eight finalists for the Cleanzone Award 2019 worth 3,000 euros will be presenting their projects in the Cleanzone Conference area on 19 November from 1:00 to 2:00 p.m. International trade fair guests will also be able to find out more about these innovations at a special exhibition at the trade fair. From these eight nominees, visitors to the trade fair will choose the winner, who will be presented with the award at the Cleanzone Conference on 20 November from 1:00 to 2:00 p.m.

For more information, please visit our website at:

- www.cleanzone.messefrankfurt.com
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www.chemanager-online.com/reinraumtechnik
www.wiley-vch.de

Cleanzone Conference 2019 - Vortragsprogramm | Presentation Programme - Moderation Bernhard Heuvelmann

Stand: 1.2 H22

19. November 2019

Module 1: Cleanzone Conference energized by ICCCS

- 10:00 – 10:25 ICCCS-Mitglieder, Struktur, Aktivitäten, Standards und akkreditierte Ausbildung
ICCCS members, structure, activities, standards and accredited education
Speaker: Koos Agricola, Conor Murray, Frans Saurwalt – ICCCS International Confederation of Contamination Control Societies
- 10:30 – 10:55 Die Rolle von ISO-Standards beim Wissensaustausch
The role of ISO standards in sharing knowledge
Speaker: Koos Agricola, Brookhuis Applied Data Intelligence
- 11:00 – 11:25 Allgemeiner Überblick über internationale Normen der ISO 14644-Familie und mögliche künftige Lösungen für Verbrauchsmaterialien
General overview on international standards of the ISO 14644 family and how consumables might be addressed in the future
Speaker: Dr. Berthold G. Düthorn, R. Bosch Packaging Technology GmbH
- 11:30 – 11:55 Neue Entwicklung in der Reinraumgestaltung
New development in cleanroom design
Speaker: Frans Saurwalt, Kropman Contamination Control
- 12:00 – 12:25 EU-Standard zur Kontrolle der Biokontamination
EU standard on bio-contamination control
Speaker: Conor Murray, 3-dimensions
- 12:30 – 12:55 Kontaminationskontrolle überall in unserem Leben! - Internationales Symposium für Reinraumtechnologie ISCC2020 Antalya, Türkei
Contamination Control Everywhere in Our Lives! - International Symposium on Cleanroom Technology ISCC2020 Antalya, Turkey
Speaker: Haşim Solmaz (Lighthouse Worldwide Solutions) Cleanroom Technologies Society of Turkey

→ Freier Eintritt für alle interessierten Fachbesucher und Aussteller | *Free admission for all interested trade visitors and exhibitors:*
13:00 – 14:00 Cleanzone Award: Präsentation der Nominierung | *Presentaion of the nominations*
Speaker: N. N.

Änderung vorbehalten! | Subject to chance!

Alle Vorträge werden simultan ins Englische bzw. Deutsche übersetzt. | All of the presentations will be simultaneously translated into English and/or German.

Cleanzone Conference 2019 - Vortragsprogramm | Presentation Programme - Moderation Bernhard Heuvelmann

Stand: 1.2 H22

19. November 2019

Module 2: Cleanzone Conference energized by DRRI e.V.

- 14:00 – 14:25 Reinraumplanung - Inhalte und Zusammenhänge eines Reinraumprojekts
Cleanroom planning - Contents and connections of a cleanroom project
Speaker: Florian Dittel, DITTEL Engineering
- 14:30 – 14:55 Licht sehen – Licht empfinden – Licht verstehen
Seeing light – sensing light – understanding light
Speaker: Joachim Becker, Ludwig Leuchten GmbH & Co. KG
- 15:00 – 15:25 Partikelmesstechnik in der Reinraumtechnik - Kalibrierung von Partikelzählern nach ISO 21501-4
Particle measuring technology in clean room technology - Particle counter calibration in accordance with ISO 21501-4
Speaker: Dr. Jürgen Blattner, BSR Ingenieur-Büro
- 15:30 – 15:55 Platzbedarf und Flexibilität bei der Geräteplanung im Rein- und Messraum
Space requirements and flexibility in equipment planning for cleanrooms and measurement chambers
Speaker: Jochen Lang, Weiss Klimatechnik GmbH
- 16:00 – 17:00 Buchvorstellung „Reinraum in der pharmazeutischen Industrie“ und Diskussion
Presentation and discussion of the book: “Reinraum in der pharmazeutischen Industrie” [Cleanrooms in the pharmaceutical industry]
Speaker: Dr. Timo Krebsbach, HHAC Labor Dr. Heusler GmbH

→ Freier Eintritt für alle interessierten Fachbesucher und Aussteller | *Free admission for all interested trade visitors and exhibitors:*
17:00 – 17:20 Preisverleihung: Förderpreis für eine Masterarbeit
Award ceremony: Award for a master thesis
Speaker: Prof. Gernod Dittel, DRRI e.V.

Ab 17:00 Uhr Cleanzone Afterwork: Get together für Aussteller & Besucher im Bistro-Areal

Änderung vorbehalten! | Subject to chance!

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Cleanzone Conference 2019 - Vortragsprogramm | Presentation Programme - Moderation Bernhard Heuvelmann

Stand: 1.2 H22

20. November 2019

Module 3: Cleanzone Conference energized by VDI e.V.

- 10:00 – 10:15 Technische Regeln – Entstehung und Bedeutung
Technical rules – their development and significance
Speaker: Thomas Wollstein, VDI Verein Deutscher Ingenieure e.V.
- 10:15 – 10:30 Was bringt mein Engagement in der Regelsetzung mir und meiner Firma?
How does my involvement in setting the rules benefit my company and me?
Speaker: Dr. Berthold DÜthorn, R. Bosch Packaging Technology GmbH & Dr. Udo Gommel, Fraunhofer-Institut Produktionstechnik und Automatisierung IPA
- 10:30 – 11:00 Der Staub muss raus – Luftfiltersysteme – die neue VDI 3803 Blatt 4
The dust must go – air filtration systems – the new VDI 3803 Part 4
Speaker: Prof. Arnold Brunner, Brunner Haustechnik AG
- 11:00 – 11:30 Nanoskalige Partikel sind anders – VDI 2083 Blatt 1.1
Nano-scale particles are different – VDI 2083 Part 1.1
Speaker: Dr. Udo Gommel, Fraunhofer-Institut Produktionstechnik und Automatisierung IPA
- 11:30 – 12:00 Unsichtbares sichtbar machen – Messtechnik nach VDI 2083 Blatt 3
Making the invisible visible – measurement technology in accordance with VDI 2083 Part 3
Speaker: Ing. Michael Kuhn, STZ EURO Steinbeis Transferzentrum Energie-, Umwelt- und Reinraumtechnik Offenburg
- 12:00 – 12:30 Lebenswichtig und reproduzierbar – Reinheit von Medizinprodukten im Herstellungsprozess – VDI 2083 Blatt 21
Vital and reproducible – the purity of medical products in the production process – VDI 2083 Part 21
Speaker: Ing Guido Kreck, Fraunhofer-Institut Produktionstechnik und Automatisierung IPA
- 12:30 – 13:00 Nur ein Hauch – Messung von kondensierbaren Substanzen – Projekt VDI 2083 Blatt 22
Just a trace – measurement of condensable substances – the VDI 2083 Part 22 project
Speaker: Dr. Markus Keller, Fraunhofer-Institut Produktionstechnik und Automatisierung IPA

→ Freier Eintritt für alle interessierten Fachbesucher und Aussteller | *Free admission for all interested trade visitors and exhibitors:*
13:00 – 14:00 Cleanzone Award Preisverleihung | Award Ceremony
Speaker: N. N.

→ Freier Eintritt für alle interessierten Fachbesucher und Aussteller | *Free admission for all interested trade visitors and exhibitors:*
14:00 – 14:30 Ladies@Cleanzone: Aerospace + Contamination Control
Speaker: Dipl.-Ing. Claudia Kessler, Astronautin GmbH

Änderung vorbehalten! | Subject to chance!

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