



AIR FILTRATION SEMINAR

Testing Against The Virus -
Progress & Future Developments

28th to 30th September 2021 - Frankfurt / Main



Event Facts & Registration

Please register on our homepage: www.palas.de/afis

Participation fee for the whole event: 749 €/person.
Student participation fee: 625 €/person (ID required).

Registration deadline: September, 10th 2021



If the number of registrations exceeds the available seats, the seats will be allocated in the order of registrations received – first come, first serve!

The fee includes:

welcome reception (bus transfer), conference (lunch, coffee breaks, table drinks and conference beverages), conference dinner (bus transfer)

Cancellation of the registration:

In case of cancellation by September, 10th 2021 the amounts paid will be refunded, deducting an administration fee of 50 € for each booking.

Please note that expenses won't be refunded after the date mentioned above, however, replacements are possible without any additional costs.

Location



The Radisson Blu in Frankfurt/Main
Franklinstraße 65
60486 Frankfurt/Main

Room reservation self service

There is a room contingent in the event hotel. The reserved rooms will be available until four weeks prior the event, by using the keyword **Palas AFis 2021**.

Please book your room (for example: Standard Room for 149€)
by email via: events.frankfurt@radissonblu.com | by phone via: +49 (0) 69 / 77 01 55 35 00

8:15 - 9:00	Reception & Registration	Conference Center Entrance Radisson Blu Hotel
START OF PROGRAM		
9:00 - 9:20	Welcoming by Palas Management	Dr.-Ing. Maximilian Weiß CEO Udo Fuchslocher CSO Palas GmbH - Karlsruhe/Germany
9:25 - 9:50	Welcome & Introduction	Prof. Dr.-Ing. habil. Eberhard Schmidt Institute of Safety Engineering and Environmental Protection Bergische Universität - Wuppertal/Germany
FIRST SESSION - MEDICAL INFORMATION ON COVID-19, AEROSOLS, FUTURE OUTLOOK		
9:55 - 10:20	Exhaled Aerosol and SARS CoV-2	Dr. Gerhard Scheuch CEO GS Bio-Inhalation GmbH Gemünden/Germany
10:25 - 10:50	COVID-19 Between the Waves - a Clinician's Perspective	Dr. med. Patrick Stais Executive Senior Physician Medical department of the Bethanien Hospital Moers/Germany
10:55 - 11:25	Shaping Tomorrow and Learn from the 'Popcorn Salesman'	Axel Liebetrau Keynote, Training & Innovation Heidelberg/Germany
11:25 - 12:00	Coffee Break	
SECOND SESSION - INFECTION CONTROL / AEROSOLS AND THEIR DISSEMINATION		
12:00 - 12:25	The Behavior and Spreading of Aerosol Particles Containing viruses	Dr.-Ing. Christof Asbach President GAeF e. V. Unit Head 'Air Quality, Aerosols Filtration' IUTA e. V. Duisburg/Germany
12.30 - 12:55	Measurement of Respiratory Aerosols in PCR SARS-CoV-2 Positive and Negative Adults: Breath of Hope?	Dr. med. Desirée Gutmann Department of Paediatrics University Hospital- Frankfurt/Main/Germany
13:00 - 13:25	Measurement Methods for Evaluating Ventilation and Air Conditioning Measures with regard to an Aerosol-based Infection Probability in Indoor Spaces	Lukas Siebler, M. Sc. Academic Employee Chair of Heating and Ventilation University - Stuttgart/Germany
13:25 - 14:30	Lunch Break	

THIRD SESSION - AIR QUALITY / AIR HYGIENE		
14:30 - 14:45	Aerosol Concentration and Indoor Airborne Infection Risk - a New Measurement Approach	Ann-Kathrin Gossman, M. Sc. Project Engineer R&D Palas GmbH- Karlsruhe/Germany
14:50 - 15:15	Requirements for Air Purifier to Reduce the Risk of Infection	Matthias Baun CEO DEMA-airtech GmbH - Stuttgart/Germany Wolfgang Schreier SGS Institut Fresenius GmbH - Longuich/Germany
15:20 - 15:45	Simultaneous Temporal, Spatial and Size-resolved Measurements of Aerosol Particles in Closed Indoor Environments Applying Mobile Filters in Various Use-cases	Julia Szabadi M. Sc. Research Associate Magnetic Effects in Gas Particle Separations Technology Gas-Particle-Systems (GPS) - Dept. Mechanical Process Engineering and Mechanics Prof. Dr.-Ing. Achim Dittler KIT - Karlsruhe/Germany
15:45 - 16:15	Coffee Break	
FOURTH SESSION - AIR QUALITY / AIR HYGIENE		
16:15 - 16:40	Gaseous and Particulate Pollutants in Indoor Air: Sources and Assessment	Dr. Erik Uhde Test Chambers, GC/MS-Analytics Fraunhofer Institute for Wood Research Braunschweig/Germany
16:45 - 17:10	Results of Air Quality Measurements in Underground Stations and Trains in Stuttgart	Dr.-Ing. Ulrich Vogt Head of Department Institute of Combustion and Power Plant Technology, Department Flue Gas Cleaning and Air Quality Control University of Stuttgart/Germany
17:15 - 17:40	Viral Aerosol Transmission of Covid-19 from Simulated Human Emission in Concert Halls	PD. Dr.-Ing. habil. Martin Seipenbusch CEO ParteQ GmbH Malsch/Germany Prof. Dr. rer. nat. Wolfgang Schade Head of Fiber Optical Sensor Systems Department Fraunhofer HHI Vladislav Reimer PhD Student Fraunhofer HHI - Gosslar/Germany
17:45 - 18:00	Final Discussion	Prof. Dr.-Ing. habil. Eberhard Schmidt Institute of Safety Engineering and Environmental Protection Bergische Universität - Wuppertal/Germany
19:00	Conference Dinner	

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FIFTH SESSION - MASK TEST, NEWS, NEW STANDARDS, ETC.		
9:20- 9:45	Influence of Local Outdoor Air Quality and Recommended Particulate Filters on Supply Air Quality during Real-world Operation for HVAC System	Dr.-Ing. Stefan Haep CEO IUTA e. V. Duisburg/Germany
9:50 - 10:15	Filtration Efficiency Determination of Filtering Face Pieces – Drawbacks of EN 149	Julian Zoller, M. Sc. Research Associate Gas-Particle-Systems (GPS) - Dept. Mechanical Process Engineering and Mechanics - Prof. Achim Dittler KIT - Karlsruhe/Germany
10:20 - 10:45	FFP Masks Type Examination – Critical Points	Luca Sicking, M. Sc. Team Leader Mask Type Testing Dr. rer nat. Dirk Renschen Refrigeration & Air Quality DMT GmbH & Co. KG - Essen/Germany
10:45 - 11:15	Coffee Break	
SIXTH SESSION - MASK TEST, NEWS, NEW STANDARDS, ETC.		
11:15 - 11:40	Face Masks: Improvement Potential Based on Experimental and Simulation-based Insights	Prof. Dr.-Ing. Jennifer Niessner Research Professor of Fluid Mechanics Institute of Flow in Additively Manufactured Porous Media (ISAPS) University of Applied Sciences - Heilbronn/ Germany
11.45 - 12:10	How Getting a Head Start in the World's Oldest Industry?	Dipl.-Ing. André Imhof CEO Autefa Solutions GmbH Linz/Austria
12:15 - 12:30	Inline Efficiency Measurement of Filter Material in Mask Production	Dipl.-Ing. Martin Schmidt Division Manager Industry & Science Palas GmbH - Karlsruhe/Germany
12:35 - 14:00	Final Discussion (in German): Was ist noch Norm(al)? FFP versus KN95 und andere Standards, Open-House-Verfahren, Anforderungen an Masken zur Pandemiebekämpfung	Prof. Dr.-Ing. habil. Eberhard Schmidt Bergische Universität - Wuppertal/Germany Dr.-Ing. Maximilian Weiß CEO Palas GmbH Karlsruhe/Germany
14:00	Joint Closing Lunch in the Restaurant	

Social Event

Don't miss

...our Welcome Reception

September, 28th - 19:30 PM

Stanley Diamond Restaurant & Bar

Ottostraße 16-18

60329 Frankfurt

Pick up at The Radisson Blu: 19:00 PM



...or our Conference Dinner

September, 29th - 19:30 PM

Oceans Restaurant Bar & Lounge

Bockenheimer Landstraße 87

60329 Frankfurt

Pick up at The Radisson Blu: 19:00 PM





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