

Session Key

Environment	Energy	Health	Liquid	Gas	Filter Media	Membrane
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**Saturday, October 8**

7:00- 5:00 pm	Registration						
7:30 am - 4:00 pm	Expo Open						
8:00 - 8:40 am	PH4. From Farm to (Operating) Table: Air Quality and Health, Geoff Crosby						
8:40 - 9:10 am	Panel Discussion on Health						
9:10 - 9:50 am	PN5. Energy-efficient - Separating the Useful from the Harmful for Cleaner Mobility and Cleaner Air, Martin Lehmann						
9:50 - 10:20 am	Panel Discussion on Energy						
10:25 - 10:35 am	Coffee Break - Expo Hall						
10:40 - 11:10 am	KL19. Microstructure Design & Interface Engineering in Advanced Filters for High-Efficient Nanoscale Particle Separation	KH20. Building an Implantable Artificial Kidney, Part 1: Landscape and Challenges			KN 21. Potentials of 2D Nanomaterials in Membrane Technology for Solving Water-Energy Nexus		
11:10 - 11:40 am	KG22. Micro-Engineered Filtration; the Study and Design of Filtration Materials at the Micro-Scale	KH23. Building an Implantable Artificial Kidney, Part 2: Technology and Opportunities			KN24. Minimizing Assumptions to Understand True Total Cost Ownership of Air Filters		
11:45 - 12:35 pm	Lunch - Expo Hall						
12:40 - 2:10 pm	L7. Cake Discharge/ Backwashing	G6. Industrial Filtration	F6. Adsorption & Innovation	M6. NF/RO Membranes & Desalination	L8. Slurry Characterization & Pretreatment	N5. Transportation - Fuel & Cabin Filtration	H1. Facemask & Respirators, Filtering Airborne Viruses/Harmful Aerosols
2:10 - 3:40 pm	L9. Advances in Centrifugation	G7. Filtration Modeling I	F7. Media Characterization	M7. Novel Process Design	N6. Electric Vehicles	H2. Antimicrobial, Harmful Gas Breakdown	H3. Biopharmaceutical Separation I
3:45 - 3:55 pm	Coffee Break - Expo Hall						
4:00 - 5:30 pm	L10. Advances in SLS Technology	G8. Filtration Modeling II	F8. Woven	M8. Osmotic & Thermal Membranes	L11. Cake Filtration, Washing & Testing	H4. Biopharmaceutical Separation II	H5. Health Tech I
5:35 - 6:45 pm	AFS Membership Meeting and Reception						
7:00 - 10:00 pm	Gala Dinner						