



**WFI 2022**  
Waterloo Filtration Institute

WFI 2022 ANNUAL VIRTUAL CONFERENCE

# *Sustainable Filtration Solutions for Healthy Living*

December 6-7, 2022

## Join leading expert speakers from across the globe

- Session 1: Filtration Markets and Emerging Opportunities
- Session 2: Healthy Buildings with Novel Filtration Solutions
- Session 3: Advanced Filter Media and Products
- Session 4: Sustainable Developments for Water Innovation



<https://www.wficonference.org/>



# Welcome Message from WFI 2022 Chairs

On behalf of the WFI 2022 organizing committee, session chairs and speakers, we invite you to join the Waterloo Filtration Institute 2022 Annual Conference (WFI 2022), December 6-7, 2022, 8:00 am -12:00 pm EST. The theme of this conference is “Sustainable Filtration Solutions for Healthy Living.” It will be an international online conference to address the increasingly critical roles of filtration and separation for healthy buildings and the surrounding living environment. The virtual conference will feature the following four sessions, and each session will have four speakers.

- Session 1: Filtration Markets and Emerging Opportunities
- Session 2: Healthy Buildings with Novel Filtration Solutions
- Session 3: Advanced Filter Media and Products
- Session 4: Sustainable Developments for Water Innovation

We will have 16 distinguished leading expert speakers from different countries to address emerging opportunities, new developments, unmet needs, and trends in the filtration markets and applications directly related to healthy living, public safety, life quality, and sustainability.

Waterloo Filtration Institute is dedicated to supporting the growth of the global filtration industry and the advancement of filtration and separation processes for a cleaner, healthier, and more sustainable world. We are excited and look forward to welcoming and meeting you at WFI 2022 Annual Conference, December 6 -7, 2022.

Sincerely,

WFI 2022 Chairs  
Sincerely,



**Mr. Richard Lydon**  
Filtration Society, UK



**Dr. Christine Sun**  
WFI, Canada



**Dr. Bryan Haynes**  
Kimberly-Clark, US



**Dr. Gajanan Bhat**  
Univ. of Georgia, US



# Program-at-a-Glance

Date/Time	Tuesday, December 6, 2022, 8:00 am – 12:00 pm, EST
8:00 - 8:10	Welcome and Introduction
8:10 - 9:50	Session I. <b>Filtration Markets and Emerging Opportunities</b> Session Chair: <b>Dr. Ellie Amirnasr</b> (Germany)
9:50 - 10:00	Break
10:00 - 11:40	Session 2. <b>Healthy Buildings with Novel Filtration Solutions</b> Session Chair: <b>Dr. R. Vijayakumar</b> (USA)
11:40 - 12:00	<b>2022 Product of Year Award Ceremony</b>

Date/Time	Wednesday, December 7, 2022, 8:00 am – 12:00 pm, EST
8:00 - 8:10	Welcome and Introduction
8:10 - 9:50	Session 3. <b>Advanced Filter Media and Products</b> Session Chair: <b>Mr. Richard Lydon</b> (UK)
9:50 - 10:00	Break
10:00 - 11:40	Session 4. <b>Sustainable Developments for Water Innovation</b> Session Chair: <b>Dr. Thomas Peters</b> (Germany)
11:40 - 12:00	<b>CFSS 2022 Ceremony</b>



## Sustainable Filtration Solutions for Healthy Living Conference Program

**Tuesday, December 6, 2022, 8:00 am – 12:00 pm EST**

**8:00-8:10** Welcome and Introduction

### **Session 1: Filtration Markets and Emerging Opportunities**

**8:10-8:35** Healthy and Sustainable Buildings: Past, Present and Future, Mr. Tyler Smith, VP, Johnson Controls, USA

**8:35-9:00** Sustainable Filtration Solutions for Healthy Living and Environment, Mr. Sean O'Reilly, VP, AAF Flanders, USA

**9:00-9:25** Advances in Filtration Technology for Health and Sustainability, Mr. Val Hollingsworth, Board Chair, Hollingsworth & Vose Co., USA

**9:25-9:50** Acquisition: Complex Path to Filtration Success, Mr. Bob Mcilvaine, President, The Mcilvaine Company, USA

### **Session 2: Healthy Buildings with Novel Filtration Solutions**

**10:00-10:25** Sustainable Air Filtration for improved Indoor Air Quality, Dr. Thomas Caesar, Director Global Filter Engineering Industrial Filtration, Freudenberg Filtration Technologies, Germany

**10:25-10:50** Improving IAQ with Effective Air Filtration by In-Room Air Cleaners, Ms. Kathleen Owen, ASHRAE Fellow, Owen Air Filtration Consulting, USA

**10:50-11:15** Sustainable air filtration and HVAC maintenance measures for healthier built environments, Dr. Iyad Al-Attar, Visiting Academic Fellow, Cranfield University, UK

**11:15-11:40** Improvements in particulate and gaseous filtration standards aim to improve indoor air quality, Mr. Joe Gorman, VP, Camfil USA Inc. (USA)

**11:40-12:00** **2022 Product of the Year Award Ceremony**

**Wednesday, December 7, 2022, 8:00 am – 12:00 pm, EST**

**8:00-8:10** Welcome and Introduction

### **Session 3: Advanced Filter Media and Products**

**8:10-8:35** 2D Nanomaterials for use in water filtration applications, Dr. Mark Bissett, Co-Founder & Chief Scientific Officer (CSO), MolyMem Ltd. (UK)

**8:35-9:00** Leading wastewater treatment with MBR into an energy efficient and sustainable future, Dr. Klaus Vossenkaul, CEO, Membion GmbH (Germany)

**9:00-9:25** Ultraselective Polymer Membranes for Carbon Capture, Dr. Richard Spontak, Distinguished Professor, NC State University (USA)

**9:25-9:50** Pioneering the solutions and technologies that care for today and shape tomorrow, Mr. Daniel Locke, R&D Manager, Kimberly-Clark Professional (USA)

### **Session 4: Sustainable Developments for Water Innovation**

**10:00-10:25** Engineering the Next-Generation of Membrane Materials Needed to Achieve Global Water Sustainability Goals, Dr. Eric Hoek, Professor and Director, UCLA Sustainable LA Grand Challenge (USA)

**10:25-10:50** Membrane Capacitive Deionization for Desalination and Water Reuse, Dr. Chia-Hung Hou, Professor and Chief Executive, NTU Water Innovation Center, NTU (Taiwan)

**10:50-11:15** Sustainable Beneficial Water – Our Planet Future, Mr. Scott Yaeger, President/CEO, FAST Intl, (USA)

**11:15-11:40** Pushing the Limit on Desalination: An Update from the NAWI Research Program, Dr. Peter Fiske, Executive Director – National Alliance for Water Innovation (USA)

**11:40-12:00** **CFSS 2022 Certification Ceremony**

**12:00** End





WFI 2022

Waterloo Filtration Institute

# Sponsored by



## BUILDING THE FUTURE FOR A BETTER WORLD



**Student Registration Free**

Sponsored by  
Hollingsworth & Vose and AAF Flanders



<https://www.wficonference.org/>

