

# 2025 National PFAS Symposium



**AIBN**  
Australian Institute for  
Bioengineering and  
Nanotechnology

**THE UNIVERSITY  
OF QUEENSLAND**  
AUSTRALIA

25-26 September 2025, AIBN, UQ, Brisbane  
nationalPFASsymposium.com

## NFS25 Program

Plenary
  Keynote
  Invited
  Contributed
  Industrial

Thursday 25 September Venue: AIBN Seminar Room, The University of Queensland, St Lucia Campus		
08:00	Registration Opens	
08:40	Welcome Function Opening Address <b>Professor Paul Bonnington, Acting Deputy Vice-Chancellor (Research and Innovation), The University of Queensland</b> <b>Professor Kristofer Thurecht, Deputy Director, AIBN, The University of Queensland</b>	
09:00 - 10:30	Session 1 (Chair: Cheng Zhang)	
09:00	Plenary Session <b>Detlef Knappe, North Carolina State University</b> <i>PFAS Releases from Fluoropolymer Production: Community Impacts and Interventions to Reduce Human Exposure</i>	
09:40	<i>Addressing Uncertainty in PFAS Exposure Assessment: The Challenge of PFAS And Precursor Dark Matter</i>	Albert Juhasz University of South Australia Australia
10:10	<i>Rapid Elimination of Serum PFAS in Highly Exposed Individuals</i>	Ian Delaere Expotox Australia
10:30-11:00	Morning Tea	
11:00 - 12:30	Session 2 (Chair: Gilda Carvalho)	
11:00	<i>PFAS in the Australian Environment: Gaps, Risks, and Future Directions</i>	Bradley Clarke The University of Melbourne Australia
11:30	<i>Using Human Biomonitoring to Assess Spatial Trends of Per- and Polyfluoroalkyl Substances (PFAS) in Australia</i>	Leisa-Maree Toms Queensland University of Technology Australia
12:00	<i>We Can Argue Whether PFAS are Still 'Emerging Contaminants' but Challenges Remain for Effective Regulation</i>	Karl Bowles The University of Queensland, Jacobs Australia Australia
12:30-13:30	Lunch	
13:30 - 14:45	Session 3 (Chair: Yang Liu)	
13:30	<i>Global PFAS Treatment Technology Developments</i>	Steve Woodard ECT2 USA
13:50	<i>Regulatory Challenges of Managing PFAS in Queensland</i>	Luke Amies Epic Environmental Australia
14:05	<i>Investigating PFAS in Cosmetic Products with a Spotlight on Natural and Organic Products</i>	Sara Ghorbani Gorji The University of Queensland Australia
14:25	<i>A Novel and Regenerable Platform for Efficient and Selective Removal of PFAS from Dirty Streams</i>	Zhuojing Yang The University of Queensland Australia

14:35	<i>"Adsorption-reduction" Bifunctional BC-ZVI Material Facilitates PFOS Capturing and Mechanochemical Degradation</i>	Min Yang Shanghai University China
14:45-15:20	<b>Afternoon Tea</b>	
15:20 - 16:20	<b>Session 4 (Chair: Sarit Kaserzon)</b>	
15:20	<i>From Electrodes to Nanoparticles: Electrochemical and Piezocatalytic Methods for PFAS Destruction</i>	Andrea Veciana Picazo The University of Queensland Australia
15:40	<i>Sorption and Utilization of "Forever Chemicals" in Rechargeable Batteries</i>	Yutong Zhu The University of Queensland Australia
15:50	<i>PFAS Immobilisation in Soil: Lessons, Breakthroughs, and the Road Ahead</i>	Shervin Kabiri University of Adelaide Australia
16:10	<i>From Soil to Biota: Evidence That Activated Carbon Reduces PFAS Bioavailability Across Multiple Taxa</i>	Divina Navarro CSIRO Environment Australia
16:20 – 16:50	<b>Panel Discussion</b> <b>Chair: Leisa-Maree Toms</b> <b>Panel: Karl Bowles, Luke Amies, Denis O'Carroll, Detlef Knappe</b>	
17:30	<b>Symposium Dinner</b> <b>Venue: Customs House, 399 Queen Street, Brisbane</b> <b>Dinner Opening Address</b> <b>ALSGlobal, OCTA</b>	

<b>Friday 26 September</b> <b>Venue: AIBN Seminar Room, The University of Queensland, St Lucia Campus</b>		
09:00 – 10:30	<b>Session 5 (Chair: Jianhua Guo)</b>	
09:00	<b>Plenary Session</b> <b>Denis O'Carroll, University of New South Wales</b> <i>PFAS Environmental Burden in our Global Waters, Soils and Sediments &amp; Development of a Water Treatment Technology</i>	
09:40	<i>Release of PFAS from AFFF-impacted Concrete and Asphalts</i>	Phong Thai The University of Queensland Australia
10:10	<i>Uncovering the Hidden Burden: Expanding PFAS Exposure Knowledge Through Non-Targeted Analysis</i>	Pradeep Dewapriya The University of Queensland Australia
10:30-11:00	<b>Morning Tea</b>	
11:00 - 12:10	<b>Session 6 (Chair: Qin Li)</b>	
11:00	<i>The Hunt for Ultra-Sensitivity to Reach Parts-Per-Quadrillion Level in Per- and Polyfluoroalkyl Substances Analysis</i>	Michael Gray Waters Corporation The United States
11:10	<i>Environmental Issues of Ultra-Short-Chain PFAS Trifluoroacetic Acid and Development Guidelines for Fifth-Generation Fluorocarbon Chemicals</i>	Chengzhou Li UniPo 株式会社 Japan
11:30	<i>Screening Firefighting Foams for Known and Novel PFAS Using Ultrahigh Resolution FT-ICR Mass Spectrometry</i>	Robert Young CSIRO Australia
12:00-13:00	<b>Lunch</b>	
13:00 – 14:00	<b>Session 7 (Chair: Karl Bowles)</b>	
13:00	<i>Removing PFAS from Sewage via Foam Harvesting at Wastewater Treatment Plants</i>	Stefano Freguia University of Melbourne Australia
13:30	<i>Negative Effect of Organic Co-Solvents on Hexafluoropropylene Oxide Dimer Acid (GenX) Destruction in a UV/Sulfite/Iodide Advanced Reduction System</i>	Mehrnaz Safarniya Zidehi The University of Queensland Australia

13:40	<i>PFAS in Dust – The Forgotten Exposure Pathway</i>	Matthew Askeland ADE Consulting Group Australia
13:50	<i>The Re-release and Leaching of Per- and Polyfluoroalkyl Substances (PFAS) into Soil from Contaminated Ryegrass During Decomposition</i>	Minshu Liang The University of Adelaide Australia
14:00-14:30	<b>Afternoon Tea</b>	
14:30 – 15:40	<b>Session 8 (Chair: Robert Young)</b>	
14:30	<i>Occupational Exposure of Firefighters to PFAS: Human Biomonitoring and Indoor Environmental Studies at QAEHS</i>	Xianyu (Fisher) Wang The University of Queensland Australia
14:50	<i>Evaluating the Efficiency of PFAS Immobilisation in Biosolids Using Sorbent Amendments</i>	Maliheh Arab The University of Adelaide Australia
15:00	<i>Enhanced Degradation of Adsorbed PFAS on the Modified Granular Activated Carbon Cathode with the Use of Electroreduction</i>	Vahid Alimohammadi University of New South Wales Australia
15:10	<i>Learnings from 10 years of Human Health and Ecological Risk Assessments for PFAS</i>	Ruth Jarman Environmental Risk Sciences Pty Ltd Australia
15:20-16:55	<b>Industry Showcase (Chair: Zicheng Su)</b>	
15:20	<i>PFAS, Chemical Dark Matter</i>	Craig Thamm, Julia Exton ViridAU Australia
15:35	<i>A New Paradigm for PFAS Removal: Scalable Counter-Current Foam Fractionation Process</i>	Pradeep Shukla SynergenMet Australia
15:50	<i>Flexible Approaches to PFAS Analysis: From Advanced Quantitation to Cost-Efficient Screening</i>	Yan Li Shimadzu Australia
16:05	<i>Pyrolysis Combustion Ion Chromatography (PCIC): Introduction to Solutions for Fluorine, Chlorine, Bromine, Iodine and Sulfur</i>	Lijun Jiang Guangzhou Jingu Scientific Instrument China
16:15	<i>Regenerable IX Resin for PFAS Treatment: Findings from a Five-year Case Study of a Full-scale Treatment System, and the Future of the System</i>	Jess Haxen ECT2 Australia
16:30	<i>The Latest Advances in Treatment of PFAS in Concrete: Case Studies of PFAS-Impacted Concrete Treatment for Airservices Australia</i>	Andrew Kita AmbiLOCK Australia
16:45-17:00	<b>Award/Closing Session</b>	

## Symposium Sponsors

