

Wednesday 24 March 2021

Time (AEDT)	Speaker	Affiliation	Topic
9:00 – 9:05	Ratin Mathur	Industry Training Manager, CRC CARE	Symposium Host – Day 1
9:05 – 9:15	Laureate Professor Ravi Naidu	CRC CARE and Global Centre for Environmental Remediation, University of Newcastle, Australia	Symposium Chair – Opening remarks and welcome to delegates
9:15 – 10:15 (Keynote)	Professor Ian Cousins	Department of Environmental Science, Stockholm University, Sweden	Sources, transport and fate of various PFAS in the atmosphere
10:15 – 10:45	Laureate Professor Ravi Naidu	CRC CARE and Global Centre for Environmental Remediation, University of Newcastle, Australia	Innovative technologies for the remediation of PFAS-contaminated water and soil
10:45 – 11:00	Morning tea break		
11:00 – 11:30	Dr Michael Dourson Dr Bernard Gadagbui	Toxicology Excellence for Risk Assessment (TERA), USA	Comparing human observational studies with clinical findings: the half-life of perfluorooctanoate (PFOA)
11:30 – 12:00	Ginny Yingling	Minnesota Department of Health, USA	PFAS in Minnesota, USA – 18 years of investigating the forever chemicals and what's next
12:00 – 12:30	Lunch break		
12:30 – 13:00	Dr Kate Hughes	Ecology Data Bank Services, Australia	Adequate but with room for improvement: experts' communication about PFAS risks
13:00 – 13:30	Johanna Johnson	Logan City Council, Australia	Gasification of biosolids – does it remove PFAS?
13:30 – 13:50	Dr Anithadevi Kenday Sivaram	Global Centre for Environmental Remediation, University of Newcastle, Australia	Ecotoxicology of PFAS
13:50 – 14:10	Dr Anthony Umeh	Global Centre for Environmental Remediation, University of Newcastle, Australia	PFOS sorption in soils and the prediction of associated sorption coefficients by machine learning
14:10 – 14:30	Dr Timothy Coggan	ADE Consulting Group	Airborne PFAS – where is the risk and do we have the tools to measure and manage it?
14:30 – 14:50	Siyuan Liu	Global Centre for Environmental Remediation, University of Newcastle, Australia	PFAS in market vegetables – a survey on 53 vegetable samples from Sydney and Newcastle
14:50 – 15:10	Andrew Mitchell	ADE Consulting Group	5 ASLP – is this the right tool for characterising PFAS risk in-situ and in waste materials?
15:10 – 15:25	Afternoon tea break		
15:25 – 15:55	Professor Satyandra K Gupta	University of Southern California, USA	Robots for ensuring human safety during disinfection and clean-up operations
15:55 – 16:25	Professor Prosun Bhattacharya	KTH Royal Institute of Technology, Stockholm, Sweden	Surveillance of SARS-CoV-2 through wastewater
16:25 – 17:00	All presenters	-	Panel discussion / live Q&A session

Thursday 25 March 2021

Time (AEDT)	Speaker	Affiliation	Topic
9:00 – 9:05	Ratin Mathur	Industry Training Manager, CRC CARE	Symposium Host – Day 2
9:05 – 9:15	Laureate Professor Ravi Naidu	CRC CARE and Global Centre for Environmental Remediation, University of Newcastle, Australia	Symposium Chair – Opening remarks and welcome to delegates
9:15 – 10:15 (Keynote)	Dr Paul Nathanail	GHD, UK	Risk 'evaluation' of emerging contaminants – accounting for uncertainty, allowing for perceptions
10:15 – 10:45	Professor Stuart Khan	Water Research Centre, School of Civil and Environmental Engineering, UNSW, Australia	Pharmaceutical contaminants in the aquatic environment – how we got here and key current issues
10:45 – 11:00	Morning tea break		
11:00 – 11:30	Professor Vincent Pettigrove	Aquatic Environmental Stress Research Group, RMIT University, Australia	Understanding the major sources of microplastic pollution in Victorian inland waters helps to develop effective management strategies
11:30 – 12:00	Jacqueline Frizenschaf	Water Research Australia	Managing and assessing risks of contaminants of emerging concern for the water industry
12:00 – 12:30	Lunch break		
12:30 – 13:30 (Keynote)	Dr Arlene Blum	University of California at Berkeley, USA	A scientific strategy towards healthier people and planet
13:30 – 14:00	Dr Cheng Fang	Global Centre for Environmental Remediation, University of Newcastle, Australia	Microplastics fate and transportation
14:00 – 14:20	Shima Ziajahromi	Australian Rivers Institute, Griffith University, Australia	Fate of microplastics in three Australian wastewater treatment plants: the significance of primary screening
14:20 – 14:40	Zahra Sobhani	Global Centre for Environmental Remediation, University of Newcastle, Australia	Print documents, or print microplastics?
14:40 – 15:10	Dr Gerardo Pulido-Reyes	Swiss Federal Institute of Aquatic Science & Technology (Eawag), Switzerland	Drinking water treatments and micro(nano)-plastics
15:10 – 15:25	Afternoon tea break		
15:25 – 15:55	Professor Maria Cristina Fossi	University of Siena, Italy	The impact of microplastics on filter-feeding megafauna
15:55 – 16:25	Dr Arslan Ahmad	Sibelco, Belgium	Advanced mineral-based solutions for removing pharmaceuticals from wastewater – a way forward to achieve global Sustainable Development Goals
16:25 – 17:00	All presenters	-	Panel discussion / live Q&A session