Towards a Waste Free Future: Technology Readiness in Waste and Resource Recovery

Increased recycling of plastics by sensing and treating label contamination

Seminar

Tuesday 27 April 2021

2:30 to 5:30pm

Sydney Startup Hub
11-31 York Street, Sydney, NSW

and Online

Lead Partner

Research Partners

Industry Partners

Increased recycling of plastics by sensing and treating label contamination

Towards a Waste Free Future: Technology Readiness in Waste and Resource Recovery

The NSW Smart Sensing Network has brought together a world-leading team of research and industry partners to tackle the key problems in the way of greater recycling rates in Australia. This work coincides with the publication of the Australian Academy of Technology and Engineering's report into how technology can help Australian industry transition towards a circular economy.

This seminar looks at current research and development work being undertaken to tackle the challenges and to explore future directions.

AGENDA

2:30pm **Welcome by host**

Dr Susan Pond AM FTSE - NSSN Chair and ATSE Working Group

2:35pm **Opening remarks – Government**

The Hon. Gabrielle Upton MP, Parliamentary Secretary to the Premier of NSW

2:45pm **Opening remarks – Industry**

Dairy Australia - Mr Ian Olmsted

2:50pm **Current research and development**

PEGRAS - Mr Ian Byrne

UTS – Dr Melita Jazbec

University of Sydney - Prof Brian Hawkett

UNSW Sydney - Prof Yansong Shen

3:40pm **Expert panel**

Moderator - Ms Lisa McLean - Circular Economy Network

Labelmakers – Ms Jessica Walters

University of Sydney - Prof Thomas Maschmeyer FAA FTSE MAE FRACI FRSN

Bega - Mr Ad van Dijk

4:40pm **Closing remarks**

4:50pm **Reception**

Drinks and Nibbles

5:30pm **Close**

SPEAKERS

Dr Susan Pond AM FTSE

Susan is a senior leader in business & academia, recognised for her national & international contributions in medicine, science & technology. She is Chair of the NSW Smart Sensing Network and President of the Royal Society of NSW.

The Hon. Gabrielle Upton MP

Ms Upton is Parliamentary Secretary to the Premier of NSW and Member for Vaucluse. Gabrielle recently led the *Accelerating R&D in NSW* initiative, which has resulted in an ambitious action plan to increase R&D and innovation activity across NSW.

Mr Ian Olmsted

Ian is Dairy Australia's Program Manager for Manufacturing Innovation & Sustainability. He is responsible for manufacturing challenges, collaborative initiatives and transfer of technology.

Mr Ian Byrne

Ian is a Technology Consultant for PEGRAS with a background in Industrial Chemistry (UNSW) and business development (MBA UTS) focused on new innovation.

Dr Melita Jazbec

Melita specialises in Resource, Energy and Water Futures with strong emphasis on the circular economy and waste management..

Associate Professor Brian Hawkett

Brian is the Director of the Key Centre For Polymer Colloids at the University of Sydney.

Associate Professor Yansong Shen

Yansong Shen is an ARC Future Fellow and the Director of the Process Modelling and Optimisation of Reaction and Separation "ProMO Lab" at UNSW Sydney.

SPEAKERS

Ms Lisa McLean

Lisa is the CEO of NSW Circular, a government- funded circular economy innovation network leading the transition to a zero-carbon circular economy in NSW and Australia.

Ms Jessica Walters

Experienced General Manager with a demonstrated history of working in the beverages industry in marketing, relationships, and business development.

Professor Thomas Maschmeyer FAA FTSE MAE FRACI FRSN

Thomas is Professor of Chemistry at the University of Sydney and Executive Chairman at Gelion Technologies.

Mr Ad van Dijk

Ad is the Q-R&D Packaging & Technology Director at Bega Cheese Limited.