



## BIOPLASTICS WORKSHOP

### Global trends and local innovations

#### PROGRAMME

**9.30 REGISTRATION AND MORNING TEA**

**10.00 WELCOME & OPENING REMARKS**  
Alan Fernyhough

**10:10 - 12:00 BIOPLASTICS 101:**

**An introduction to bioplastics and an overview of recent global trends**

What are bioplastics and why all the interest?

An overview of the main types of commercial and emerging bioplastics and the growing global trends for bioplastics and additive technologies. This session will also cover the basics of:

- Starch bioplastics
- Cellulosic bioplastics
- Biopolyesters
- Other emerging bioplastics and additive technologies
- Bioplastics and biodegradability – ‘end-of-life’ options and issues
- An introduction to the Australasian Bioplastics Association (ABA)

Alan Fernyhough, Dawn Smith, Martin Markotsis, Jeremy Warnes, Scion;  
Claude D’Amico, ABA and Innovia Films

**12.00 - 12.45 QUESTIONS AND LUNCH**

**12.45 - 14.00 BIOPLASTICS DEVELOPMENTS AND PACKAGING**

**Keynote: Food innovation trends and developments**

Tony Nowell, Chairman, Food Innovation New Zealand

**Examples of recent innovations and uses of NatureWorks LLC Ingeo™ (PLA) in packaging**

Rick Poynter, Poynter Agencies (who represent NatureWorks LLC Ingeo™ (PLA) in New Zealand)

**Examples of other bioplastic developments in packaging**

Markus Leufgens, Cardia Bioplastics

**Examples of innovative use of bioplastics in packaging at Convex Plastics**

Andrew Sheerin, Convex Plastics, Hamilton

**14.00 - 15.20**

**NZ-AUS BIOPLASTICS RELATED RESEARCH AND COMMERCIALISATION  
UPDATES**

**Keynote: Eco-materials platforms: developing new bio-based and sustainable materials and polymers for high value application**

Peter Halley, University of Queensland

**Plus:**

**Updates on example bioplastics developments at Scion and Biopolymer Network Ltd:**

- LignoMaxx; using corn/bioethanol residues in plastics and bioplastics (Lignotech-Scion)
- Kiwiplast: using fruit industry residues in plastics and bioplastics (Scion-Zespri-Alto)
- Wood force : long wood fibre reinforcements for plastics and bioplastics (Scion-Sonae)
- A bioplastics roadmap and Scion's Core Capability Programme for NZ manufacturing
- Overview of Scion packaging programmes and research
- Biopolymer Network Ltd :
  - Use of NZ plant fibres and extracts to enhance plastics and bioplastics
  - E-PLA and other biopolymer foams

**15.20 - 15.50**

**OPEN FORUM AND AFTERNOON TEA**

**15:50 – 16:00**

**HOW WE CAN HELP AND FUNDING ASSISTANCE**

A chance to discuss your ideas and find out how Scion can help. Information will include how to access assistance grants, and there will be opportunity for one-on-one conversations with the team.

Jeremy Warnes, Scion

**16.00 – 16.30**

**OPTIONAL TOUR**

Scion has extensive processing facilities to support its bioplastics research programmes. These range from small labs to pilot scale, and include extrusion lines, injection moulding machines, computer controlled presses, film calendaring lines and foam production lines. Other features include polymer and composite characterisation equipment such as rheometers, thermal analyses equipment and all major chemical and polymer analytical instruments. During this short tour, delegates will have a chance to see these facilities and closely examine the products being produced on them.

To register or make enquiries, contact:

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