



## **Fresh Ideas for Future Food Production in Lincolnshire**

The University of Lincoln  
Riseholme Conference Centre,  
Riseholme Park  
Lincoln  
LN2 2LG

### **AGENDA**

**8.30am** Arrival and Registration

**8.30am – 9.00am** Coffee/ Tea and Breakfast Served

**9.00am** Welcome and Introduction to the Event

**Prof. Val Braybrooks, Dean of Holbeach & National Centre for Food Manufacturing (NCFM)**

**Prof. Simon Pearson, Director of the Lincoln Institute for Agri-Food Technology (LIAT)**

**9.10am - 9.20am Dr. Graham Purnell, Senior Research Fellow, Food Refrigeration and Process Engineering Research Centre (FRPERC)**

### ***Food Cold Chain: Knowledge ⇒ Progress***

Graham will explain how FRPERC can help chilled and frozen food manufacturers and equipment suppliers specify, develop, implement, optimise, and validate a wide range of cold chain technologies. Including looking at systems for chilling, freezing, cold storage, transport, or display, with particular reference to improving impacts on product shelf life, quality and safety, and process efficiency and sustainability.



**9.20am – 9.25am Dr. Nadia Andreani, Research Fellow, School of Life Sciences, University of Lincoln**

### ***Microorganisms: A Benefit or a Drawback? Microbiology as a Useful Tool to Support the Agri-Food Industry***

Nadia will explain how microorganisms play different important roles in agri-food industry and how microbiology can give an effective short- and long-term support to agri-food companies, depending on their needs, providing solutions, pioneering ideas and opportunities to move toward innovation.



**9.25am – 9.35am Mr. Khaled Elgeneidy, Research Fellow, LIAT, University of Lincoln**

***3D Printed Soft Robotic Grippers for Agri-Food Manipulation Applications***

Handling delicate crops and food products without damaging or bruising is a challenge facing the automation of tasks within the agri-food industry. This has encouraged the development of soft robotic grippers that are inherently safe to interact with delicate targets and can passively adapt to shape variations. In this presentation a brief overview of the development of low-cost soft grippers with embedded sensing that can be customised and directly 3D print based on application needs.

**9.35am – 9.40am Dr. Iain Gould, Senior Lecturer (Soil Science), LIAT, University of Lincoln**

***Understanding Our Soils***

Healthy soil systems are fundamental to sustainable agricultural production. Here, we present some of the soils research and training being undertaken at the University of Lincoln.

**9.40am – 9.50am Mr. Mathew Thompson, Business Development Manager (Food Industry), NCFM, University of Lincoln**

***How to Get Involved: an Overview***

**9.50am - 10.30am Opportunity to Network and Speak To Presenters And Other Exhibitors.**



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