

# Institution of Agricultural Engineers

Engineering for Food and Drinks SIG

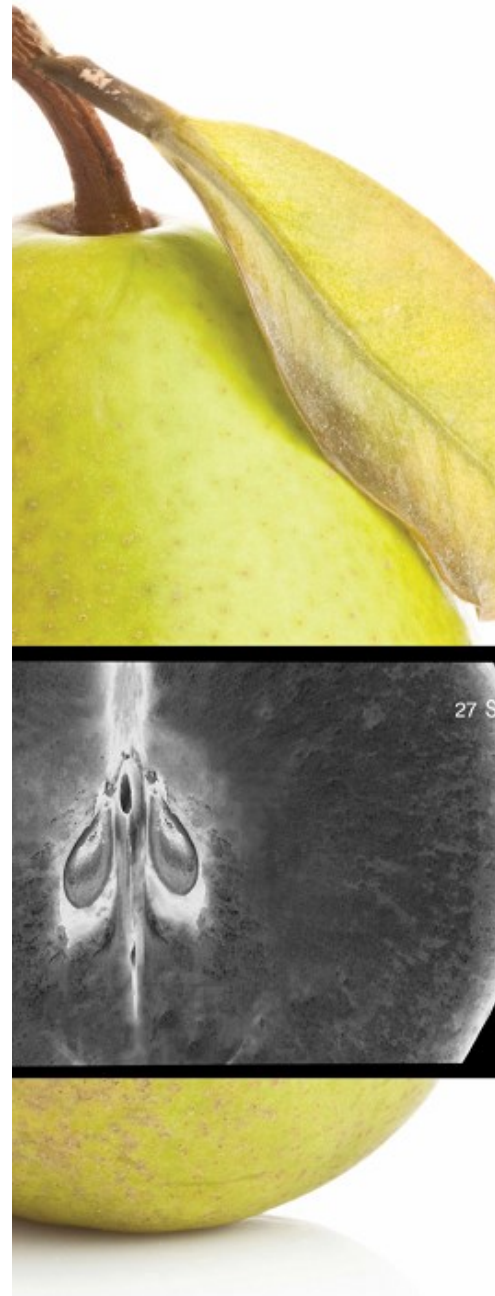


**Free  
Special Online Event**

**3rd December 2020**

**11 am UK time**

Register [here](#)



## Food Engineering

The end of the 20th century and the global realisation that nature's resources are finite introduced two new dimensions, other than growth and profitability, to the food industry namely; Environmental and Sustainability issues.

IAgrE seeks to promote food engineering as a worthwhile and rewarding career and aims to do this by:

- promoting food engineering as its own discipline within the wider engineering profession
- promoting the need to change existing food

*"Food Engineering is a technical multidisciplinary profession that deals with the system and structures of food, production processes as well as physical, (bio) chemical and biological transformation processes. It is based on scientific laws and economical, ecological and social, cultural and religious norms."*



- production methods into more sustainable and environmentally attuned methods in harmony with the agricultural/biosystems engineering community – its historic home
- liaising with academia to recognise and research the need to develop to promote food engineering
- improving communications within food engineering communities/ opening up new channels
- building international partnerships around food production and process
- supporting food engineers in the development of their career and work towards professional registration
- promoting food engineering as a worthwhile and rewarding career
- supporting and creating events in the field around food engineering



## Event Program



11.00	Welcome address	Daniel Hefft (IAgrE EFD)
11.05 – 11.40	Biosystems Engineering in Africa (Overview, challenges and opportunities)	Tilahun Workneh (University of KwaZulu-Natal)
11.40 – 12.15	Reducing food losses in Sub-Sahara Africa: A case study on evaporative cooling	Duncan Mbuge (University of Nairobi)
12.15 – 12.50	Agricultural Practice in Sub-Saharan Africa: Plant and Soil health research in Nigeria.	Charles Adetunji (Edo University Iyamho)
12.50 – 13.25	Bioformulations as an Alternative to Sustainable Agriculture	Yerima Mohammed Bello (Federal University Dutse)
13.25 – 13.35	BREAK	
14.05 – 14.40	Sustainable Packaging from Agricultural By-Products: Using Rice Straw and Banana Stems for Packaging.	Prakash Korde (Valueform Limited)
14.40 – 15.15	Food Engineering & Industry – Quo Vadis	Keshevan Niranjana (University of Reading)
		Seamus Higgins (University of Nottingham)
		Daniel Hefft (IAgrE EFD)
15.15 – 15.25	BREAK	
15.25 – 16.00	Gaining professional recognition with IAgrE	Charles Nicklin Chief Executive IAgrE
16.00 – 16.05	Closure	Daniel Hefft (IAgrE)