

WEDNESDAY 21 MARCH

11:00 - 12:30	<p>Plenary session Chair: Dolores O'Riordan, UCD Institute of Food and Health</p>
	<p>Welcome Nicholas Holden, UCD School of Biosystems and Food Engineering</p> <p>Welcome to UCD Orla Feely, UCD Vice-President for Research and Innovation</p> <p>UCD Institute of Food and Health Dolores O'Riordan</p>
	<p>Matthew Lange, UCD Davis <i>The vision of IC-Foods - Why the Internet of Food and IoT4F?</i></p> <p>Edmond Harty, DairyMaster <i>IoT and the digital transformation of the dairy industry</i></p>
12:30 - 14:00	Lunch
14:00 - 15:45	<p>Session 1: Observation and characterization of objects Chair: Tom Tomich, UC Davis, Agricultural Sustainability Institute</p>
	<p>Jettie Hoonhout, Philips <i>Measuring things: the application of IoT by Philips</i></p>
	<p>Gregory O'Hare, UCD <i>Sensor systems for crop production</i></p>
	<p>Tomas Norton, KU Leuven <i>Sensor systems for animal production</i></p>
	<p>Chiara Cecchini, Future Foods Institute <i>Hackers and Makers: innovation in food tech</i></p>
	<p>Chris Horn, Atlantic Bridge <i>Which startup ideas are funded, and why?</i></p>
15:45 - 16:15	Coffee
16:15 - 17:45	<p>Industry demonstrations Chair: Aifric O'Sullivan, UCD School of Agriculture and Food Science</p> <ol style="list-style-type: none"> 1. AgVis (livestock monitoring) 2. Food Choice at Work (healthy eating) 3. Think Biosolution Limited 4. BlightLink (integrating social networks with disease forecasting) 5. Living Offset (climate change) mitigation (blockchain) 6. Nutritics (personalized nutrition) 7. Keenan (the tech that feeds us)
18:00 - 20:30	Welcome Reception and Networking

THURSDAY 22 MARCH

08:45 - 10:45 **Welcome to UCD**
 Orla Feely, UCD Vice-President for Research and Innovation

	<p>Session 2: Robotic devices and 3D printing of food Chair: Aoife Gowen, UCD Biosystems and Food Engineering</p>
	<p>Alan Kelly, University College Cork <i>3D food printing</i></p>
	<p>Conor McGinn, Trinity College Dublin <i>Human - Robot interaction: implications for food</i></p>
	<p>Alexander Leonessa, Virginia Tech <i>Autonomous robotics in the food system</i></p>
	<p>Lachlan Urquhart, University of Nottingham <i>Privacy, Security, Ethics & the Internet of Food</i></p>
	<p>Kieran Furlong, Finistere Ventures <i>Funding new ideas: what are early-stage investors looking for?</i></p>
10:45 - 11:15	Coffee (and posters / coding challenge)
11:15 - 13:00	<p>Volunteered work: sensors, applications and citizen engagement Chair: Nicholas Holden, UCD School of Biosystems and Food Engineering <i>Seven speakers from Tyndall National Institute, Lawrence Berkeley National Laboratory, University of Iceland, University of Bologna, NTNU Norway, TCD and UCD</i></p>
13:00 - 14:15	Lunch (13h45: poster pop-up, 90 second summaries)
14:15 - 16:00	<p>Session 3: Digitizing IoT4F data Chair: Fionnuala Murphy, UCD School of Biosystems and Food Engineering</p>
	<p>Scott Rickard, Citadel and UCD <i>Deep learning: what do all these data offer the food industry?</i></p>
	<p>Eileen Gibney, UCD School of Agriculture and Food Science <i>Digitizing food intake/lifestyle data collection, analysis and feedback - implications for personalised nutrition.</i></p>
	<p>Andre Laperriere, GODAN <i>Data standards for IoT4F</i></p>
	<p>Sjaak Wolfert, WUR <i>Internet of Food and Farm 2020: fostering the data ecosystem</i></p>
	<p>Conall Lavery, Wia <i>The Future of IoT Platforms</i></p>
16:00 - 16:30	Coffee (and posters / coding challenge)
14:15 - 16:00	<p>Workshop 1 Steven Lord, Environmental Change Institute, University of Oxford <i>Impact Valuation</i></p>
	<p>Workshop 2 Jacqueline van Oosten, FME Sjaak Wolfert, WUR Aifric O'Sullivan, UCD Institute of Food and Health <i>Personalised Nutrition</i></p>
	<p>Workshop 3 James Clifford, Food Cloud Tom Oldfield, UCD Susan Evans <i>Food Waste</i></p>
19:30 - 23:00	Conference Dinner (Merry Ploughboy)
23:00	Close

FRIDAY 23 MARCH

9:00 - 11:15

Welcome to UCD
Orla Feely, UCD Vice-President for Research and Innovation

Session 4: Applications for food safety, sustainability and security
Chair: Eileen Gibney, UCD School of Agriculture and Food Science

Lawrence Goodridge, McGill University and Seamus Fanning UCD
How IoT4F will change food safety

Damian O'Kelly, Nutritics
Connecting Nutrition Data - A Multisectoral Approach

Jacqueline van Oosten, FME
The food tech ecosystem in the Netherlands: towards personalised nutrition

Andrew Mullins, Bord Bia
Data demands for food sustainability - the future of Origin Green

Kieran Kelly, Arc-Net
Blockchain for the food chain

Liam Chambers, IBM
Applications of blockchain in the food industry

11:15 - 11:45

Coffee and networking

11:45 - 12:30

Plenary session
Hackathon overview and results with winning team presentation.
Diarmuid Ó Muirgheasa, The Academy of Code (+ students if available)

Scoping workshop feedback

- Steven Lord
- Aifric O'Sullivan
- James Clifford

Matthew Lange, UC Davis

Nicholas Holden, UCD

Closing summary:

- *What have we learned?*
- *What next?*
 - *H2020 and research networks*
 - *Company networking*
- *IoT4F-Dublin 2019*
- *IC-Foods, November 2018*

12:30 - 14:00

Lunch

14:00

All participants departed