

International Conference on Vertical Farming 2020

Tuesday 7 – Wednesday 8 April 2020

Nottingham Trent University, Newton building, Burton Street, Nottingham, NG1 4BU

Programme

Tuesday 7 April 2020				
8:30	9:00	Registration		
Main Session				
Start time	End time	Speaker	Organisation	Topic
9:15	9:30	Nigel Wright	Deputy Vice-Chancellor - Research and Innovation, Nottingham Trent University, UK	Welcome and opening
9:30	10:10	Dickson Despommier	Columbia University, USA	New City
10:10	10:30	Coffee Break		
10:30	10:55	Simon Pearson	University of Lincoln, UK	The energy challenges for vertical farming
10:55	11:20	Ian Cox	Innovation Lead, Agri-Tech Centre, Innovate UK	The challenges of feeding the world's population sustainably
11:20	11:45	Christine Zimmerman-Loessl	Association for Vertical Farming EU	The Transforming Power of Vertical Farming - Vertical Farming 2.0
11:45	12:05	Panel Discussion		
12:05	13:00	Lunch, Exhibition/Networking		
Parallel Session				
Start time	End time	Session Theme		
13:30	14:30	Select speaker Session – SMART Automation, Robotics, and how Big Data & AI can increase efficiencies.		
		Select speaker session - GREEN How research across Plant Science, LED lighting, urban greening, pharmaceutical crops and food quality can help future growing systems.		
		Select speaker session - GROWTH How Vertical Farming markets and supply could grow into commercial profitable ventures and the positive impact it could deliver for our health and our economies.		
14:30	15:00	Break, Exhibition/Networking		
15:00	16:30	Select speaker Session - SMART Automation, Robotics, and how Big Data & AI can increase efficiencies.		
		Select speaker session - GREEN How research across Plant Science, LED lighting, urban greening, pharmaceutical crops and food quality can help future growing systems.		
		Select speaker session - GROWTH How Vertical Farming markets and supply could grow into commercial profitable ventures and the positive impact it could deliver for our health and our economies.		
16:30		Close		
18:30	21:00	Gala Dinner with Awards		

Wednesday 8 April 2020				
9:15	9:45	Registration, Exhibition/Networking		
Main Session				
Start time	End time	Speaker	Organisation	Topic
9:45	10:00	Chungui Lu	Nottingham Trent University, UK	Welcome and opening
10:00	10:25	Leo Marcelis	Wageningen University, Netherlands	Full control of plant growth and quality in vertical farm using plant physiological knowledge
10:25	10:50	Qichang Yang	Chinese Academy of Agricultural Sciences, China	Current status of vertical farming with LED light and its development of energy saving technologies in China
10:50	11:05	Coffee Break		
11:10	11:35	Hong Liu	Beihang University, Beijing, China	Vertical Farming in Space - Lunar Palace 1
10:35	11:55	Jung-Eek Son	Seoul National University, South Korea	Analyses of canopy light interception, photosynthesis, and light use efficiency in LED plant factories using 3D plant model and optical simulation
11:55	12:15	Panel Discussion		
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14:30	14:45	Close		