

## Green Technologies Grand Challenge Virtual Exhibition, 3 March 2021

Time	Title	Speaker
09:30	Introduction to the Green Technologies Grand Challenge and agenda for the day	Ana Soares Professor of Biotechnology Engineering Lead of the Cranfield Grand Challenge in Green Technologies
<b>Topic 1: Mitigating Climate Change</b>		Chair: Ana Soares
9:40	Low carbon hydrogen	Peter Clough Lecturer in Energy Engineering
09:55	Developing smart city energy designs	Phil Longhurst Professor of Environment and Energy Technology
10:10	CO <sub>2</sub> transport technologies	Kumar Patchigolla Reader in Low Carbon Energy Systems
10:25	Making lightweight lithium sulfur batteries a practical reality	Daniel Auger Reader in Electrification, Automation and Control
10:40	<b>Virtual exhibition</b>	
10:50	<b>Round table debate</b> <i>addressing key questions on Green Technologies and mitigating climate change</i>	Katie Day, Office for Nuclear Regulation, Director of Policy and Communications Martin Garratt, Cambridge CleanTech, Chief Executive Mark McNally, RAVMAC Ltd, co-Founder and Director Stephen Mooring, Central Bedfordshire Council, Head of Sustainability
	<i>Chair: Rosina Watson</i> <i>Senior Lecturer in Sustainability</i>	
11:25	Break	
<b>Topic 2: Delivering the Circular Economy</b>		Chair: Imma Bortone Lecturer in Fluid Flow and Environmental Engineering
11:35	Gas sensing technologies for food waste reduction	Angel Medina Reader in Food Mycology
11:50	Wastewater a source of energy and materials	Bruce Jefferson Professor of Water Engineering
12:05	3D printing the future of aviation	Jialuo Ding Senior Research Fellow in Additive Manufacture
12:20	Circular driven materials	Adriana Encinas Oropesa Lecturer in Design and Materials
12:35	<b>Virtual exhibition</b>	
12:45	<b>Round table debate</b> <i>addressing key questions on Green Technologies and the circular economy</i>	Arnold Tukker, Leiden University, Scientific Director and Head of the Department of Industrial Ecology Christophe Lasseur, European Space Agency, Head of MELISSA project, Life Support R&D Coordinator Peter Hammond, CCm Technologies Ltd, Chief Technology Officer Peter Vale, Severn Trent Water, Innovation Technical Lead
	<i>Chair: Michael Bourlakis</i> <i>Professor in Logistics</i>	
13:20	Closing remarks	Ana Soares
13:30	End of event	