

Wednesday 15th December 2021 at Sidney Sussex College, William Mong Hall

### Registration (8:30-9:00)

#### Session 1: Farm to Fibres

9:00-9:20	Welcome + FLOWER Introduction Dr Darshil Shah & Dr Alain Bourmaud
9:20-9:50	<b>Karim Behlouli</b> , Natup Fibers and Ecotechnilin (Keynote)* A vision for natural fibres in the automotive sector
9:50-10:20	<b>Prof Vijay Kumar Thakur</b> , Scotland's Rural College (Keynote)* Extraction and development of hemp composites
10:20-10:40	Break
10:40-11:00	<b>Dr Lydia Smith</b> , National Institute of Agricultural Botany Potential of Hemp for reintroduction into UK agriculture
11:00-11:20	<b>Jamie Bartley</b> , Unyte Hemp Hemp value-chain in the UK: from cultivation to carbon credits
11:20-11:40	Lobna A.El Seify* Evaluating the Suitability of Leaf Fiber Reinforcements for Automotive Composites
11:40-12:00	Wassim Guerfala Elaboration of hybrid bio-composites with thermoplastic matrix: material formulation and modelling of the quasi-static behaviour

#### Lunch, College Canteen (12:30-13:30)

### Session 2: Resins and Biocomposites

14:00-14:30	Alan Banks, Ford Motor Company Net-Zero enabling lightweight technology
14:30-15:00	<b>Dr Stuart Coles</b> , University of Warwick The development of a waste cooking oil-based substitute for epoxy resins and how it can be used in impact structures for automotive applications
15:00-15:20	<b>Dr Gareth Roberts</b> , Cambond Grain waste-based bioresins and adhesives for fully-green moulded composites
15:20-15:40	Break
15:40-16:00	<b>Dr Morwenna Spear</b> , Bangor BioComposites Centre What can natural fibre composites learn from recent advances in wood modification?
16:00-16:20	<b>Dr Nilmini Dissanayake</b> , National Physical Laboratory Influence of moisture uptake on creep behaviour of flax fibre reinforced composites
16:20-17:00	Panel discussion chaired by Prof Hom Dhakal

## Reception, Old Kitchen (17:00-19:00)



Thursday 16th December 2021 at Downing College, Howard Theatre

## Registration (8:30-9:00)

# Session 3: Applications and Circularity

9:00-9:30	<b>Dr Arthur Monti</b> , Chereau Group Flax composites for the truck and haulage sector
9:30-10:00	Prof Fabrizio Scarpa, University of Bristol * Ssuchy - Plant fibre composites in transportation
10:00-10:20	<b>Iris Aquilina Anderson</b> , Bioladies Network Standards and Green Claims Code for Bio-based Plastics
10:20-10:40	
10:40-11:00	Suneet Shivprasad, Rare Earth Global Hemp based materials for vertiports, aircraft and supporting infrastructure
11:00-11:20	<b>Omar Elhawary</b> Recycling of Polypropylene In PPE Face Masks For Manufacturing of FlaxPP Eco- composites
11:20-11:40	Agnès Mattlet Which properties make the use of a recycled matrix viable in a polypropylene/flax fibre composite?
11:40-11:55	<b>Dr Moumita Sit</b> , University of Portsmouth Vibration damping characteristics of flax fibre reinforced composites for automotive applications
11:55-12:00	<b>Wrap-up</b> Dr Darshil Shah