

ECO-COMPASS special session at ICCS20

Title: Ecological and Multifunctional Composites for Application in Aircraft Interior and Secondary Structures

Date: 5 September 2017

Venue: Conservatoire National des Arts et Métiers, Paris, France

Time	Duration	Title of the presentation	Speaker & entity
8:40	20'	The ECO-COMPASS project: EU/China cooperation: Introduction and status after 18 months	<b>Jens BACHMANN</b> , German Aerospace Center (DLR), Germany
9:00	40'	Keynote speech No 1: Development of function-integrated structural carbon composites for aerospace	<b>Xiaosu YI</b> , AVIC Beijing Institute of Aeronautical Materials, China
9:40	40'	Keynote speech No 2: Biobased materials for space application	<b>Brigitte DEFOORT</b> , Airbus Safran Launchers, France
10:20	20'	Lightning Damage Prediction of Carbon Fiber Composite Materials	<b>Xiao ZHANG</b> , HefeiHangtai Electrophysics Technology Co., Ltd, China
10:40	20'	Multi-physical analysis on latent heat effect during lightning ablation damage process of carbon fiber composites	<b>Yvxi JIA</b> , ShanDong University, China
11:00	30'	Coffee break	
11:30	20'	Development and characterization of nanofilled rosin-based epoxy bio-resins	<b>Konstantinos TSERPES</b> , Laboratory of Technology & Strength of Materials of the University of Patras, Greece
11:50	20'	Numerical and analytical evaluation of mechanical, thermal and electrical properties of CNT/polymer multifunctional nanocomposites using representative unit cells	<b>Vasilis TZATZADAKIS</b> , Laboratory of Technology & Strength of Materials of the University of Patras, Greece
12:10	20'	Performance Enhancement of Natural Fiber Reinforced Polymer Composites through Nanoparticle Grafting on the Fiber Surfaces	<b>Guijun XIAN</b> , Harbin Institute of Technology, China
12:30	20'	Accounting for material non-linear behavior in multiscale analyses	<b>Xavier MARTINEZ</b> , International Center for Numerical Methods in Engineering (CIMNE), Spain
12:50	20'	Improving interfacial properties of plant fiber reinforced composites by a multi-scaled design methodology	<b>Yan LI</b> , Tongji University, China
13:10	20'	Banana composite fabric: numerical prediction and experimental correlation	<b>Adrián ORTEGA</b> , LEITAT Technological Centre, Spain
13:30	-	End of session and lunch break	



The logo features the word "ECO" in a bold, lime-green font and "COMPASS" in a bold, teal font. A stylized green arrow points to the right, positioned above the "O" in "COMPASS". The text is set against a light grey circular background with a compass rose design.