Errata - Adaption
of
ECCM17 Programme Book

Monday 27th June

12:10 – Room Brigthon:

MECHANICAL AND DIELECTRIC PROPERTIES OF POLYHEDRAL OLIGOMERIC SILSESQUIOXANES MODIFIED GRAPHENE OXIDE/POLYIMIDE NANO-COMPOSITES
Chen-Chi Ma (National Tsing Hua University), Sheng-Chi Lin (National Tsing Hua University), Jeng-An Wang (National Tsing Hua University), Wei-Hao Liao (National Tsing Hua University), Sheng-Tsung Hsiao (National Tsing Hua University), Yu-Sheng Wang (National Tsing Hua University), Shin-Ming Li (National Tsing Hua University)
Octa(aminophenyl) silsesquioxane (OAPS) functionalized graphene oxide (GO) reinforced polyimide (PI) composites; 3.0 wt % OAPS-GO exhibited 11.2-folds increase in tensile strength compared with neat PI; Dk value of 1.9 was achieved.

12:50 – Room Brigthon:

HIERARCHICAL POLYPROPYLENE NANOCOMPOSITES BASED ON GRAPHENE AND CARBON FIBERS
Susana Quiles-Díaz (Institute of Polymer Science and Technology (ICTP-CSIC)), H. Salavagione (Institute of Polymer Science and Technology (ICTP-CSIC)), P. Enrique (Institute for the Structure of Matter (IEM-CSIC)), Araceli Flores (Institute for the Structure of Matter (IEM-CSIC)), F. Ania (Institute for the Structure of Matter (IEM-CSIC)), M. A. Gómez-Fatou (Institute of Polymer Science and Technology (ICTP-CSIC))
Reinforced-hierarchical polymer nanocomposites based on carbon derivatives produces advanced materials with significant improvement in their thermal, mechanical and electrical properties.

12:50 - Room Stuttgart:

IMPROVING PROCESSABILITY AND MECHANICAL PERFORMANCE WITH THE USE OF UNIDIRECTIONAL THERMOPLASTIC TAPES IN COMPRESSION MOLDING FOR AUTOMOTIVE STRUCTURAL APPLICATIONS
Vincent Lutz (Plastic Omnium)
Different composite architectures were processed with unidirectional tapes in a large manufacturing set-up.

Tuesday 28th June

10:40 – Room Bruges:

INVESTIGATION OF THE EFFECT OF ENGINE FUELS ON FIBER-MATRIX ADHESION IN GLASS FIBER REINFORCED POLYAMIDE
Liu Yang (University of Strathclyde), M. Kucharek (University of Strathclyde), James Thomason (University of Strathclyde), Camili Cruz (Robert Bosch GmbH), Matthias Demonte (Robert Bosch GmbH)

12:50 – Room Bordeaux:

ANALYTICAL MODEL OF CRITICAL THRUST FORCE FOR EXI-PLY DELAMINATION DURING DRILLING: THERMO-MECHANICAL ANALYSIS
Jamel Saoudi (Institut Clément Ader), Redouane Zitoune (University of Toulouse), Suhasini Gururaja (Indian Institute of Science), Salah Mezlini (University of Monastir), Philippe Seitier (Insa Toulouse)
An analytical model for the prediction of the critical thrust force for exit-ply delamination during drilling composite laminates accounting for thermal effect is proposed.

12:30 – Room Athens:

BOTTOM-UP PARAMETRIC HYBRID COST ESTIMATION FOR COMPOSITE AEROSPACE PRODUCTION
Christian Hueber (Montanuniversitaet Leoben), Konstantin Horejsi (FACC Operations GmbH), Ralf Schledjewski (Montanuniversitaet Leoben)
In this conference paper we present ALPHA, our self developed hybrid cost tool, designed for the aerospace industry. We will describe the underlying estimation principle and demonstrate its capabillity on a case study.

16:00 – Room Stuttgart:

FILAMENT-WOUND COMPOSITE CYLINDERS WITH ARCH-SHAPED CROSS SECTIONS USING ULTRA-HIGH FIBER TENSION
Yang Wang (Wuhan University of Technology), Lei Zu (Wuhan University of Technology), Jihui Wang (Wuhan University of Technology)
The binding effect of fiber materials during the filament winding process was successfully simulated using the Finite Element Method (FEM). These results can be useful in designing the filament wound composite structure.

17:10 – Room Brigthon:

PROCESSING BAMBOO FOR STRUCTURAL COMPOSITES: INFLUENCE OF PRESERVATIVE TREATMENTS ON SURFACE AND INTERFACE PROPERTIES
Darshil Upendra Shah (University of Cambridge), Bhavna Sharma (University of Cambridge), Michael H. Ramage (University of Cambridge)
Engineered bamboo is being increasingly explored for infrastructure applications. We study the effects of two common preservation treatments, bleaching and steaming, on dynamic surface wettability and adhesive bonding properties of laminated bamboo.

18:10 – Room Bordeaux:

TESTS FOR THE CHARACTERIZATION OF FIBER REINFORCED AUTOCLAVED AERATED CONCRETE
Maria Bruna Alba (ENEA), Tiziana Cardinale (ENEA), Piero De Fazio (ENEA), G. F. Lista (ENEA), Corradino Sposato (ENEA)
Main aim of this paper is to verify how the addition of basalt fibers to autoclaved aerated concrete may improve its the performance from a mechanical point of view. The composite material has been characterized according to the standard rules.

Additional Posters

PO_5-35**:**

SELF-HEALING OF IMPACT AND FATIQUE DAMAGE IN MODEL THERMOSET COMPOSITES CONTAINING ALGINATE-BASED COMPARTMENTED FIBRES
Wouter Post (Delft University of Technology)