

Final Conference Programme

[v.6/24.05]

CONFERENCE TOPICS / ABBREVIATED NAME IN PROGRAMME

1. Automated Manufacturing of Composites / AUTOMATED MANUFACTURING
2. Ceramic Matrix Composites / (SAME)
3. Composites, Environment and Renewable Energy / ENVIRONMENT & RENEWABLE ENERGY
4. Composites in Construction / CONSTRUCTION
5. Composites in Transportation / TRANSPORTATION
6. Damage of Composites / DAMAGE
7. Fatigue of Composites / FATIGUE
8. Fibres / (SAME)
9. Fracture and Failure in Composites / FRACTURE
10. General Applications of Composites / GENERAL APPLICATIONS
11. Interface / (SAME)
12. Mechanical Properties of Composites / MECHANICAL PROPERTIES
13. Metal Matrix Composites / (SAME)
14. Modelling / (SAME)
15. Nanocomposites / (SAME)
16. Natural Composites - Biomaterials / NATURAL COMPOSITES
17. Non-Destructive Testing of Composites / NDT
18. Polymer Matrices / (SAME)
19. Smart Composites / (SAME)

ROOM NAMES AND CAPACITIES

<u>ROOM NAME</u>	<u>CAPACITY (No. of persons)</u>
Delphi	600
Salon Des Roses-1	325
Salon Des Roses-2	325
Naysika-1	160
Naysika-2	160
Executive Meetings Room-A	60
Executive Meetings Room-B	60

15.00-20.00 REGISTRATION

17.00-18.00 MEETING OF THE EXECUTIVE COMMITTEE (Executive Meeting Room A)

MONDAY, MAY 31

8:00-9:00 REGISTRATION							
9:00-9:20 OPENING CEREMONY Speakers: Prof. C. Galiotis and Prof. A. Cardon							
9.20-10.20 PLENARY LECTURE 1. Dr. THEVENIN ROLAND, Airbus Corporation, UK. "Composite Opportunities and Limits". CHAIR PERSONS: C. Galiotis, A. Cardon							
10.20-10.50 MORNING BREAK							
10.50-13.00 SYMPOSIUM 1 - SESSIONS							
ROOM NAME :	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
TOPIC:	SMART COMPOSITES - 1	FRACTURE - 1	NANOCOMPOSITES - 1	AUTOMATED MANUFACTURING - 1	MODELLING - 1	METAL MATRIX COMPOSITES - 1	DESIGNING WITH NON-CRIMP FABRICS - 1
CHAIR PERSONS:	C. Lekakou, D. Saravanos	B. Lauke, M. Quaresimin	V. Gregoriou, V. Bekiari	I. Crivelli Visconti, R. Schledjewski	M. Winsom, J. Nairn	S.T. Mileiko, M. Hojo	M. Jevons
10.50-11.10	INVITED SPEAKER [C033]. G.H. Abumeri and Dr. C. Chamis, "Quantification of Uncertainties in the Performances of Smart Composite Structures"	[A006]. G. Caprino and V. Lopresto, "Macroscopic Behaviour and Fracture Modes of CFRP Panels Transversely Loaded at the Centre"	[C034]. E.T. Thostenson, C. Li and T. W. Chou, "Modeling and Characterization of Carbon Nanotubes and their Composites"	[B090]. M.D. Wakeman, P. Beyeler, E. Eble, P.O. Hagstrand, T. Hermann and J.-A.E. Månson, "Hybrid thermoplastic composite beam structures integrating UD tows, stamped fabrics, and injection/compression moulding"	[A068]. S.V. Lomov, B. Van Den Broucke, F. Tümer, I. Verpoest, L. Dufort and P. de Luca, "Micro - Macro Structural Analysis of Textile Composite Parts"	[B089]. A. Weck, C. Gonzalez and J.Llorca, "Fracture Toughness of Ti-6Al-4V/SiC Composites at Ambient and Elevated Temperature"	[F1]. A. Foreman and C. Meeks, "The Effect of NCF Architecture, Part 1: Impact Performance"
11.10-11.30		[B078]. R.R. Kumar and G.V. Rao, "Intricacies in the Prediction of Intra Laminar Fracture Toughness of Multilayered Composites"	[B023]. K. Chrissopoulou, K. Karatasos, S.H. Anastasiadis, E.P. Giannelis and B. Frick, "Dynamics in Intercalated Polymer-Clay Nanocomposites"	[A058]. N. Crainic, D. Bica, L. Vekas, A.T. Marques and P.J. Nóvoa, "The Use of Nanomagnetic Fluids to Enhance the Production of Composite Parts Composites Made by RTM"	[B149]. C. Soutis, M. Papadrakakis and G. Stefanou, "A Stochastic Approach to the Fibre Micro-Buckling Problem in Layered Composites with Interfacial Defects"	[C169]. D. Alba-Sanchez, N. Carrere, S. Kruch and J.-L. Chaboche, "Propagation of a matrix bridged crack in a SiC/Ti composite: experiments and modelling"	[F2]. C. Meeks, M. Hiley and A. Foreman, "The Effect of NCF Architecture, Part 2: On Failure Mechanisms During Impact"
11.30-11.50	[B130]. T.S. Plagianakos and D.A. Saravanos, "Free-Vibration of Adaptive Sandwich Composite Beams with Piezoelectric Actuators and Sensors using Coupled Higher-Order Layerwise Mechanics"	[B108]. K.E. Tarsha Kurdi and P. Olivier, "Process-Induced Stresses and their Influence Upon some Mechanical Properties of Carbon / Epoxy Laminates.Part 2 : Study by Acoustic Emission"	[B174]. P. Gu, J.H. Zhao, G. Liu and J. Chen, "Fabrication of Carbon Nanotube-TiC Nanocomposites by Spark Plasma Sintering"	[A038]. S. Gea, S. Goutianos, T. Eng, M. Skrifvars and T. Peijs, "Development of High-Performance Textile Reinforcements based on Flax Fibres"	[C128]. P. Ladevèze, D. Marsal and G. Lubineau, "Relationship Between the Micro and Mesomechanics of Laminates under Plane and Out-of-Plane Macro Loading"	[C011]. A.A.M. Da Silva, J.F. Dos Santos and T.R. Strohaecker, "Properties and Fracture Analysis of Diffusion Bonded TiC-Particulate Reinforced Ti-6Al-4V Titanium Matrix Composite"	[F3]. S. Lundström, M. Nordlund, V. Frishfelds and A. Jakovics, "Application of Permeability Network Modell to Non-Crimp Fabrics"
11.50-12.10	[B139]. M. Shakeri, A. Daneshmehri and A. Alibeiglou, "Elasticity Solution of Thick Laminated Cylindrical Panel with Piezoelectric Layer under Dynamic Loading"	[C191]. E.E. Theotokoglou, "Cracking of Composite Beams Numerical Evaluation"	[A048]. F.H. Gojny, B. Fiedler and K. Schulte, "Evaluation of the Potential of Carbon Nanotubes for a Reinforcement of an Epoxy Matrix "	[A069]. H. Parton and I. Verpoest, "Liquid Moulding of Textile Reinforced Thermoplastics"	[A046]. B. Fiedler, S. Holst, T. Hobbiebrunken, M. Hojo, K. Schulte and S. Chahai, "Modelling of the Initial Failure of CFRP Structures by Partial Discretisation: a Micro/Macro-mechanical Approach of First Ply Failure"	[C035]. L. Collini, A. Pironi and G. Nicoletto, "Fatigue Crack Resistance of 6061 and 7005 Aluminum Alloy - Al2O3 Particulate Composites"	[F4]. M. Jevons and E. Simon, "Use of a Physically-Based Unit Cell Finite Element Model for the Simulation of Drapability of Non-Crimp Fabric Materials"
12.10-12.30	[B087]. P. Panopoulos, C. Lekakou and N. Toy, "A Nano-Micro-Composite Sensor for the Measurement of Flow Shear Stress"	[B049]. C. Breen, F. Guild and M. Pavier, "Impact of Thick CFRP Panels: Near Free Edge Impact"	[C121]. Y. Ren, T. Xiao, Y.Q. Fu, F. Li, H.M. Cheng and K. Liao, "Fatigue Failure Mechanisms of Single-Walled Carbon Nanotube Ropes"	[B027]. M. Clifford and A. Long, "Flow Characterisation for Partially Impregnated Prepregs"	[C115]. F. Laurin, N. Carrere, F.-H. Leroy, J.-F. Maire and D. Perreux, "A multiscale progressive failure criterion for composite materials"	[C038]. A. Daoud, M. Abou El-Khair and A.N. Abdel-Aziz, "Microstructure and Wear Behaviour of Squeeze Cast 7075 Al-Al2O3 Particle Composites"	[F5]. F. Edgren, L.E. Asp and A. Sjögren, "Compression After Impact Strength Prediction for NCF Composite Structures"
12.30-12.50		[C080]. C. Huchette, N. Carrere, D. Leveque, "A Criterion Based on Stress and Energy for the Onset of Transverse Cracking"	[C078]. W. Liu, S.V. Hoa and M. Pugh, "Augmentation of Fracture Toughness of Epoxy using Nanoparticles"	[C109]. M.-K. Um, J.-H. Byun and I.M. Daniel, "Similarity Relations of Process Variables in Resin Flow of RTM Process"		[C167]. I. Sabirov, O. Kolednik, R. Z. Valiev and R. Pippan, "The Effect of the Equal Channel Angular Pressing on the Particle Distribution and Fracture Properties of Metal Matrix Composites"	[F6]. R. Loendersloot, R.H.W. ten Thije, R. Akkerman and S.V. Lomov, "Permeability Prediction of Non-Crimp Fabrics Based on a Geometric Model"
13.00-14.30 LUNCH							
ROOM NAME:	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
TOPIC:	SMART COMPOSITES - 2	FRACTURE - 2	NANOCOMPOSITES - 2	AUTOMATED MANUFACTURING - 2	MODELLING - 2	METAL MATRIX COMPOSITES - 2	DESIGNING WITH NON-CRIMP FABRICS - 2
CHAIR PERSONS:	C. Lekakou, D. Saravanos	C.T. Sun, V. Kostopoulos	D. Wagner, V. Gregoriou	I. Crivelli Visconti, R. Schledjewski	S. Lomov, H. Fukuda	S.T. Mileiko, M. Hojo	M. Jevons
14.30-14.50	[C046]. T.A. Enab, M. Lagache, J. Pastor and Y. Vigier, "Performances Prediction for a Structure with Piezoelectric Composite Inserts"	[A052]. A.B. Pereira, A.B. de Moraes, A.T. Marques and P.T. de Castro, "Mode II fracture toughness of glass/epoxy multidirectional laminates"	[C086]. D.A. Jesson, A. Arkhireeva, J. N. Hay, P.A. Smith and J.F. Watts, "Organic-Inorganic Hybrid Nanoparticles as Modifiers for Polymer Composites Matrices"	[B015]. L. Calabrese AND A. Valenza, "Mathematical Modelling of the Pultrusion Process of Polyester-Glass Fibre Composites "	[B035]. B.G. Falzon and M. Cerini, "An Automated Combined Static-Dynamic Procedure for Capturing Mode-Switching in Postbuckling Structures"	[C158]. P.W.M. Peters, J. Hemptenmacher, B. Günther, D. Bettge and P. Portella, "Analysis of the Thermo-mechanical Fatigue Behaviour of SiC-fibre Reinforced Titanium Alloy (SCS-6/Ti-6242)"	[F7]. M. Flores, E. García, E. Graciani, V. Mantić and F. Paris, "Study of Compressive Behaviour of Non-Crimp Fabrics by 3D Finite Elements Meso-Modelling"
14.50-15.10	[B140]. J.-F. Silvain, J.-E. Barbier, P.-M. Geffroy and P. Despagne, "Heat Sink with Adaptive Thermal Properties"	[C164]. V.I. Rizov, "Effect of Void Content on the Fracture Performance of Long Glass Fiber Reinforced Polypropylene"	[C020]. V. Bekiari, "Photoluminescence Studies on Hybrid Organic/Inorganic Nanocomposite Gels"	[B028]. P. Harrison, W.R. Yu, A.C. Long and M.J. Clifford, "Simulation of Viscous Textile Composite Sheet Forming based on a Unit Cell Energy Model "	[B006]. M. Lévesque, K. Derrien, Leon Mishnaevsky Jr., D. Baptiste and Michael D. Gilchrist, "Mechanical Behaviour Predictions of Nonlinear Viscoelastic Composite Materials by a Homogenisation of Random Mixtures Approach"	[C034]. N. Martinez, M.D. Salvador, D. Busquets and V. Amigó, "On the Precipitation-Hardening Behaviour of Ceramic Reinforced AA6061 Composites"	[F8]. D. Mattsson, J. Varna and A. Krasnikov, "Stiffness Degradation in Non-Crimp Fabric Composite in Tension Due to Damage"
15.10-15.30		[C209]. C. Williamson, J. Cook and P. Hoggood, "Investigation into the Failure of Open and Filled Holes in CFRP Laminates under Biaxial Loading Conditions"	[C117]. M. Leonowicz, M. Ławecka, A. Ślawska-Waniewska, I. Dzhardimalieva, A.S. Rozenberg and A.D. Pomogailo, "Polymer Matrix Nanocomposites Exhibiting Magnetic Properties"	[C012]. V. Antonucci, M. Durante, M. Giordano, L. Nicolais AND C. Vitello, "Numerical Simulation and Experimental Characterization of RIFT Process"	[B043]. A. Faye, B. Paluch and M. Grédiac, "Experimental Validation of Composite Material Structure Optimisation by Genetic Algorithm"	[C026]. D. Busquets-Mataix, V. Amigó, M.D. Salvador and G. Riontino, "Reinforcement Influence on Precipitation Phenomena in Ti3Al Intermetallic Reinforcement Aluminium Matrix Composites"	

15.30-17.15		SYMPOSIUM 2 - SESSIONS					
ROOM NAME:	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
TOPIC:	TRANSPORTATION - 1	FRACTURE - 3	ENVIRONMENT & RENEWABLE ENERGY - 1	CERAMIC MATRIX COMPOSITES - 1	MODELLING - 3	NDT - 1	FATIGUE - 1
CHAIR PERSONS:	F. Butera, D. Saravanos	C.T. Sun, V. Kostopoulos	A. Murakami, F. R. Jones	J. Lamon, K. Dassios	S. Lomov, H. Fukuda	C. Caprino, I. Verpoest	K. Gamstedt, A.P. Vassilopoulos
15.30-15.50	INVITED SPEAKER Dr. F. Butera, "Composites and Smart Materials: A Synergic Approach for Tomorrow's Vehicles"	[B062]. P.J. Hine, R.A. Duckett, P. Caton-Rose and P.D.Coates, "Fibre Orientation Structures and their Effect on the Crack Resistance of an Injection Moulded Transverse Ribbed Plate"	[A035]. N.-M. Barkoula , C.T. Reynolds, B. Alcock, N.-O. Cabrera, L. E. Govaert and T. Peijs, "Temperature and Strain Rate Dependant Mechanical Behaviour of All-PP Composites - Comparison with GMT and NMT"	[B173]. N. Ludford, J.A. Yeomans and P.A. Smith, "Environmental Degradation of a Continuous Oxide Fibre-Reinforced Oxide Matrix Composite"	[B096]. J.-D. Mathias, X. Balandraud and M. Grediac, "Optimization of Composite Patches with a Genetic Algorithm"	[B014]. M. Bourchak, I. Farrow and I. Bond, "Acoustic Emission Monitoring of Block Loading Interaction Damage Accumulation During Fatigue of CFRP Composites"	[B120]. M. Quaresimin, M. Ricotta and L.Susme, "Fatigue Life Prediction of Composite Laminates"
15.50-16.10		[B053]. C. Bordreuil and C. Hochard, "Rupture Prediction of Woven Ply Laminated Plate with an Open Hole"	[B031]. M ^a D. Salvador, V. Amigó, O. Sahuquillo, C. M ^a Antolinos, F. Segovia, A. Vicentea and C.Sanz "Thermal Analysis of Polymer Resin Matrix Reinforced with E-glass Fibres Degradated in Neutral Environments"	[A022]. K.G. Dassios, V. Kostopoulos and C. Galiotis, "Assessment of Crack Shielding in Ceramic Matrix Composites in the Presence of Large Scale Effects"	[C043]. M. Deng, V.B.C. Tan and T.E. Tay, "Atomistic Modeling of Composite Interfaces"	[B109]. N. Papadakis, N. Reynolds, C.Ramirez-Jimenez and M. Pharaoh, "Relation Comparison Methodologies of the Primary and Secondary Frequency Components of Acoustic Events Obtained from Thermoplastic Composite Laminates under Tensile Stress"	[B080]. W. Hufenbach, M. Gude, A. Langkamp and M. Andrich, "Failure Behaviour of Textile Reinforced Composites under Dynamic Loading"
16.10-16.30	[C060]. A. Greco, C. Musardo and A. Maffezzoli, "Creep Behavior of PP Based Composites for the Automotive Industry"	[B063]. C. Kaiser, E. Kuhnelt and A. Obst, "Failure Criteria for Non-Metallic Materials - Part I: Fibre Reinforced Plastics"	[B151]. L.E. Evseeva, S.A. Tanaeva, V.I. Dubkova and O.I. Mayevskaya "Epoxy Composites Hardened by Phosphorus Carbon Fibers. Influence of Thermal Cycling on Thermal Properties"	[C150]. D. Le Pagne, D.J. Osborne, H. Ghonem and R. Warren, "Interfacial Properties of a Sapphire Fiber / Alumina Matrix Composite at Elevated Temperature"	[B098]. M.A. McCarthy, V.P. Lawlor and W.F. Stanley, "Effects of Variable Clearance in Multi-Bolt Composite Joints on Load Distribution and Quasi-Static Strength "	[B111]. C.Ramirez-Jimenez, M.Pharaoh, N. Papadakis and N. Reynolds, "A Methodology for the Identification of Tensile Failure Mode Types in Thermoplastic Composite Laminates by Means of Acoustic Emission Monitoring"	[C037]. M. Danzuka, Y. Aono, H. Noguchi, S.-H. Lee and S.-K. Cheong, "Fatigue Characteristics of Hybrid Composites with Non-Woven Carbon Tissue"
16.30-16.50	[C140]. G. Nesar, "Regarding the Results of Ultimate Strengh Tests of GRP Consisting the Stitched Multilayer Angle Laminas Used as Boatbuilding Material"	[A017]. A.Y.L. Leong and P.J. Hogg, "Materials and processing effects on stiffener pull-off strength of stiffened panel"	[C111]. M.C. Lafarie-Frenot, S. Rouquie and V. Bellenger, "Experimental Evidence of Coupling between Matrix Cracking and Oxidation during Thermal Ageing of C/epoxy Laminates"		[B137]. M. Shakeri, A. Alibeiglou and A.H. Goodarzi, "Optimal Stacking Sequence of Laminated Cylindrical Panel using Generic Algorithm"	[A021]. Y. Z. Pappas and V. Kostopoulos, "A New Approach of Anisotropic Damage Modeling by the Application of Pattern Recognition Methodologies in NDT Data"	[B099]. V.P. Lawlor, M.A. McCarthy and W.F. Stanley , "Effects of Variable Clearance in Multi-Bolt Composite Joints on Fatigue Life"
16.50-17.10 AFTERNOON BREAK							
ROOM NAME:	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
TOPIC:	TRANSPORTATION - 2		ENVIRONMENT & RENEWABLE ENERGY - 2	CERAMIC MATRIX COMPOSITES - 2		NDT - 2	FATIGUE - 2
CHAIR PERSONS:	F. Butera, N.G. Tsouvalis		A. Murakami, F. R. Jones	J. Lamon, K. Dassios		I. Bond, I. Verpoest	K. Gamstedt, A.P. Vassilopoulos
17.10-17.30	[C202]. A.F. Razin and V.V. Vasiliev, "Development of Composite Anisogrid Spacecraft Attach Fitting"		[A002]. M. Gigliotti, F. Jacquemin and A. Vautrin, "Internal Stresses Induced by Cyclical Environmental Conditions in Laminated Composite Plates"	[C058]. M. Cerny, P. Glogar, P. Hron, Z. Sucharda, B. Bednarova and S. Htychova, "Processing, Properties and Performance of Polysiloxane-Derived Ceramic Matrix in Heat Resistant Composites Reinforced with R-glass or Fine Ceramic Fibres"		[C064]. N. Madjoudj-Guessasma, S. Mechraoui, A. Laksimi and S. Benmedakhene, "Simulation of Acoustic Emission Sources in Composite Plates"	[B112]. V.A. Passipoularis and T.P.Philippidis, "Residual Strengh after Fatigue in Composite Materials: A Critical Assessment"
17.30-17.50	[C159]. S. Petit, C. Bouvet, A. Bergerot and J.J. Barrau, "Influence of a Thermal Shield on the Damage Tolerance for Composite Structures of Launchers"		[B105]. Y. Ikee, A. Hirayama, S. Matsuda, H. Kishi and A. Murakami, "The Effect of Gamma and Electron Beam Radiation on the Mechanical Properties of Thermosetting Polymer and their Composites"	[C066]. T. Gumula and S. Blazewicz, "Influence of Curing Conditions of Polysiloxane Ceramic Precursors on Mechanical Properties of Ceramic Matrix Composites"		[B113]. A. E. Antoniou, T.T Assimakopoulou and T.P. Philippidis, "Delamination Detection in Thick Composite Laminates Using Guided Ultrasonic Waves"	[A007]. W. Van Paepegem and J. Degrieck, "Simulating Damage and Permanent Strain in Fibre-reinforced Composites under In-plane Fatigue Loading"
17.50-18.10	[C018]. A.F. Accardo and P. Basso, "Preliminary Design and Concepts of a New Full Composite UAV"		[B132]. T. Sinmazcelikli, B. Hayri Ates and T. Yilmaz, "Weathering Effects on the Impact, Bulk and Surface Properties of Polyphenylene Sulphide (PPS) Composites"	[C189]. H.D. Akkas, M.L. Övecoglu and M. Tanoglu, "Microstructure and Mechanical Properties of Ceramic Matrix Composites (CMCs) from Polysiloxane and Inert/Active Fillers"		[C092]. J. Kapelewski and B. Lila, "Coherent Stoneley-Wave Scattering by a Composite-Like Interface"	[C104]. A.P. Vassilopoulos and P.S. Alefragis, "Parametric Investigation of Fatigue Life Prediction Methodology"
18.10-18.30	[C165]. J. Romeo, G. Frulla, E. Cestino and G. Corsino, "HELIPLAT: Manufacturing and Structural Design of Solar Powered UAV Scaled Prototype"		[C148]. A. Fernández-Cantella, A. Argüellesa, J. Viña and J.F. Kalthoff, "Impact Resistance Modification of PEI Reinforced with Carbon Fiber Textile after Mechanical, Hgothermal and Hgothermal-Mechanical Exposure"			[B146]. K. Diamanti, J.M. Hodgkinson and C. Soutis, "Application of a Lamp Wave Technique for the Non-Destructive Inspection of Composite Structures"	
20.00-	OPENING PARTY						

8:30-9:30							
PLENARY LECTURE 2. Prof. Emmanuel Giannelis. Cornell University, USA. "Polymer Nanocomposites: Is Smaller Better?".							
CHAIR PERSONS: K. Schulte, D. Wagner							
9:30-10:30							
SYMPOSIUM 3 - SESSIONS							
ROOM NAME:	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
TOPIC:	NANOCOMPOSITES - 3	MODELLING - 4	CONSTRUCTION - 1	FATIGUE - 3	MECHANICAL PROPERTIES - 1	INTERFACE - 1	FIBRES - 1
CHAIR PERSONS:	K. Schulte, D. Wagner	I. Verpoest, N. Tsouvalis	C. P. Pantelides, E. Gutiérrez	T. Peijs, M. Quaresimin	F. Paris, A. Cardon	F. R. Jones, J. Thomason	A. Bunsell, P. Hine
9.30-9.50	INVITED SPEAKER Prof. J.F. Gerard and J. Galy, "Routes for Processing Nanocomposites: From the Introduction of Inorganic Nanofillers or Hybrid Organic-Inorganic Nanoclusters to Sol-Gel Chemistry. A Review"	[C008]. G. Allegri and X. Zhang, "Delamination/Debond Growth in Z-Fibre Reinforced Composite T-Joint: A Finite Element Simulation"	[B042]. M. Muller, E. Toussaint, J.-F. Destrebecq and M. Grediac, "Creep Behaviour of Reinforced Concrete Beams Strengthened with Composite Plates"	[B041]. E.K. Gamstedt and B.A. Sjögren, "Sequence Effects in Block Amplitude Fatigue Loading of Composite Laminates"	[C054]. H. Fukuda, H. Takaki, M. Itabashi and A. Wada, "Comparison of Shearing Test Methods for Pultruded Materials"	[C019]. P. Baudry, R.Pailler and M.-A. Dourges, "Influence of PAN-Based Carbon Fibers Surface Properties on the Interfacial Bonding to a Phenolic Matrix"	[B060]. P.J. Hine and I.M. Ward, "The Hot Compaction of Woven Polyethylene Terephthalate Multifilaments"
9.50-10.10	[C062]. S.J. Lord and E.S. Greenhalgh, "Modelling of Delamination and Debonding in Laminated Composites using a Moving Mesh Approach"	[B056]. M. Sousa, J.M.L. Reis and A.J.M. Ferreira, "Characterization of Polymer Concrete made with Recycled Aggregate"	[A010]. W. Förtsch, H.E. Franz and K. Friedrich, "On the Failure Behaviour of a High-Frequency Loaded CFRP-Composite"	[A016]. M. Abe, P.J. Hogg and A. Murakami, "A Miniaturized Post-Impact Compression Test for Curved Composites"	[C105]. J. Koyanagi, T. Kamiya, G. Kiyota and H. Kawada, "Study on Time Dependent Interfacial Failure in Single Fiber Composites"	[A026]. J. Lamon and V. Calard, "Random Local Load Sharing in Multifilaments Bundles: Modelling and Influence on Ultimate Failure Composites"	
10.10-10.30	[B160]. A. Barber, E. Wiesel and H. Daniel Wagner, "Recent Advances in the Mechanics of Carbon Nanotubes and their Composites"	[B175]. H.Y. Jiang, J.H. Zhao and X.F. Wang, "Monte-Carlo Simulation to Fracture of Cross-ply Laminates at Room and Low Temperature"	[B051]. A. Hammami, A. Alshamsi and S. Hareeb, "Durability of FRP Strengthened Concrete Structures"	[A055]. J.L. Esteves, P. Vieira and A.T. Marques, "Fatigue Behaviour of Reinforced Concrete Beam Strengthened with a CFRP Reinforced System"	[C044]. M.V. Donadon, J.M. Hodgkinson, B.G. Falzon and L. Iannucci, "Impact Damage in Composite Structures Manufactured Using Resin Infusion Under Flexible Tooling (RIFT) Process"	[B176]. K. Schneider, N.E. Zafeiropoulos, R.J. Davies, M. Amici, S.V. Roth, M. Burghammer and M. Stamm, "The Use of Microfocus Synchrotron X-Ray Radiation as a Novel Technique to Study the Interface in Composites"	[A029]. S.T. Mileiko, V.M. Kiiko, V.N. Kurlov and A.A. Kolchin, "High Temperature Creep of Single Crystalline and Eutectic Oxide Fibres Produced by Internal Crystallisation Method"
10.30-11.00							
MORNING BREAK							
ROOM NAME:	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
TOPIC:	NANOCOMPOSITES - 4	MODELLING - 5	CONSTRUCTION - 2	FATIGUE - 4	MECHANICAL PROPERTIES - 2	INTERFACE - 2	FIBRES - 2
CHAIR PERSONS:	J.F. Gerard, Y. Dzenis	P. Šittner, N. Tsouvalis	C. P. Pantelides, E. Gutiérrez	I. Bond, K. Gamstedt	F. Paris, M. Wisnom	F. R. Jones, J. Thomason	A. Bunsell, P. Hine
11.00-11.20	[B024]. I. Altintzi, K. Chrissopoulou, S.H. Anastasiadis, M. Pitsikalis, N. Hadjichristidis, N. Theophilou and E.P. Giannelis, "Polyolefin/Silicate Nanocomposites"	[B154]. N.G. Tsouvalis and V.J. Papazoglou, "Design Buckling Curves for Clamped Orthotropic Laminated Plates"	[C067]. E. Gutiérrez, S. Primi, F. Taucer, A. Viñolo, and I. Calvo, "Structural Design and Testing of a Composite Wind Turbine Tower mModule"	[C065]. Z. Hamdoun, L. Guillaumat and J.-L. Lataillade, "Influence of the Drilling on the Fatigue Behaviour of Carbon Epoxy Laminates"	[A051]. T. Hobbiebrunken, B. Fiedler, M.i Hojo, M. Tanaka, S. Ochiai and K. Schulte, "Micromechanical Yielding and Failure of CF/Epoxy caused by the Formation of Residual Stresses under Macroscopic Boundary Conditions"	[B124]. Y.T. Shyng, R.J. Young and R.J. Davis, "Analysis of Interfacial Micromechanics of Single-Fibre Model Composites using Synchrotron Microfocus X-ray Diffraction"	[B002]. P.A. Askeland, H. Fukushima, M.J.Rich and L.T.Drzal, "UV-Ozone Surface Modification of Carbon Based Reinforcements for Composite Materials"
11.20-11.40	[C149]. N. Oya, K. Nishiyabu, T. Yanagisawa and S. Higaki, "Physical Properties of Carbon Nanotube/Polypropylene Compounds"	[C141]. N.T. Nguyen, D. Gamba and M.C. Lafarie-Frenot, "Influence of Loading Rate on Transverse Ply Crack Growth in Aeronautical CFRP Laminates"	[C023]. E. De Bolster, K. Watzeels, H. Cuyppers and J. Wastiels, "Off-Axis Behaviour of Cement Matrix Composites"	[C195]. L. Toubal, B. Lorrain, M. Karama, D. Fournie and M.P. Ratel, "Fatigue Damaging of Carbon/Epoxy Composite Plates With or Without a Hole"	[A037]. S. Goutianos, T. Peijs and C. Galiotis, "An Experimental Micromechanical Finite Element Assisted - Approach into the Compressive Failure Mechanisms of Carbon Fibre Composites"	[C029]. A.C. dos Santos, T.N. Bittencourt and R. Gettu, "Determination of the Interface Collapse Load Between Concrete and Fiber Reinforce Polymer"	[C145]. A.K. Naskar, S. Proulx, R.A. Walker, D.D. Edie and A.A. Ogale, "Carbon Fibers from Novel Precursors: Melt-Processible PAN Terpolymers and UV-Assisted Stabilization Routes"
11.40-12.00	[C221]. W.S. Chow, Z.A. Mohd Ishak and J. Karger-Kocsis, "Microstructural Characterisations and Mechanical Properties of Compatibilized Polyamide 6/Polypropylene/Organoclay Nanocomposites"	[C100]. F.T. Kokkinos and J.T. Katsikadelis, "3D-Stress Analysis of Anisotropic Plates Using a Boundary-Only Hybrid Method"	[C110]. R. Lackner, A. Jager, K. Kappel, M. Spiegl, R. Blab and J. Eberhardsteiner, "Optimization of Multi-Composed Materials: Application to Asphalt Pavements"	[B131]. T. Sinmazcelik, A.A. Arici and T. Yilmaz, "Impact-Fatigue Behaviour of Carbom?PEI Composite Materials"	[C101]. L. Kollár and Á. Sapkás, "Buckling of FRP Beams and Columns"	[B057]. S. Sugihara and F.R. Jones, "Controlling the Interfacial Response of High Performance Polymer Fibre Composites using Functional Plasma Polymer Coatings"	[C059]. A. Gomes, K. Goda and J. Ohgi, "The Effect of Alkali Treatment on the Physical and Mechanical Properties of Curaua Fibers"
12.00-12.20		[C013]. M. Nishino and T. Aoki, "Nonlinear Analysis for Monitoring Bonded Patch Delamination"	[C131]. M. Mayama, T. Imoto, M. Harada and M. Sakikawa, "Utilization of a Rubber Mat for the Concrete Caisson Structures as a Friction-Increasing Material"	[C091]. K. Kanny and H. Mahfuz, "Cyclic Characteristics of X-Linked and Linear Cored Structures at Elevated Temperatures"	[C063]. R.M. Guedes, P.H. Magalhães and J.L. Morais, "Rate-Dependent Mechanical Behavior of CFRP Laminates Under Compression Loading"	[C050]. S. Feih, E. Cendre, J. Wei, P. Kingshott and B.F. Sørensen, "Micromechanical Investigation of the Influence of Fibre Sizings on the Crack Bridging Behaviour of Glass Fibre Composites"	[B013]. I. Bond and J. Pang, "Self Repair And Enhanced Damage Visibility In A Hollow Fibre Reinforced Plastic."
12.20-12.40		[C039]. F. Dau, O. Polit and M. Touratier, "Using a C 1 Triangular Finite Element Based on a Refined Model for Analyzing Buckling and Post-Buckling of Multilayered Shell Structures"	[C136]. G. Monti and F. Santinelli, "Mechanics of Shear FRP-Strengthening of RC Beams"	[B020]. I. Carrascal, J.A. Casado, J.A. Polanco and F. Gutiérrez-Solana, "Determination of Limit Load Fatigue Failure of Fibre-Glass Reinforced PA 6.6 Components Using Energy Considerations"	[C146]. S. Ogihara, E. Adachi and S. Kobayashi, "Nonlinear Mechanical Response of CFRP Laminates under Off-Axis Tensile Loading"	[B059]. F.M. Zhao, S.A. Hayes, E.A. Patterson, R.J. Young and F.R. Jones, "Photoelastic Measurement of Matrix Stress Field and Interfacial Shear Stress in Single Glass Fibre Model Composites"	
12.45-14.00							
LUNCH							

SYMPOSIUM 4 - SESSIONS							
14.00-16.40	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
ROOM NAME:	NANOCOMPOSITES - 5	AUTOMATED MANUFACTURING - 3	DAMAGE - 1	METAL MATRIX COMPOSITES - 3	MECHANICAL PROPERTIES - 3	INTERFACE - 3	VAFTEM
TOPIC:	J.F. Gerard, Y. Dzenis	P. J. Hogg, C. Lekakou	J. Varna, B.Lauke	S.T. Mileiko, M. Hojo	A. Cardon, Z.Zhang	V. Gregoriou, A. Murakami	A. Bunsell
CHAIR PERSONS:	J.F. Gerard, Y. Dzenis	P. J. Hogg, C. Lekakou	J. Varna, B.Lauke	S.T. Mileiko, M. Hojo	A. Cardon, Z.Zhang	V. Gregoriou, A. Murakami	A. Bunsell
14.00-14.20	[A036]. P. Ciselli, O. Regev, C. Koning and T. Peijs, "Processing of Carbon Nanotube Composites using Latex Technology"	INVITED SPEAKER Prof. S.G. Advani and Dr. D. Heider, "Role of Mold Filling Simulations in Composite Manufacturing"	[A049]. S. Hinz and K. Schulte, "Damage Evaluation of Glare0 4B Under Interlaminar Shear Loading at Elevated Temperatures"	[A028]. S.T. Mileiko and V.M. Kiiko, "High Temperature Creep of Oxide-Fibre/Metal-Matrix Composites Under Variable Loading"	[A031]. F. Paris, E. Correa and V. Mantič, "Micromechanical Aspects of the Inter-Fibre Failure in Fibrous Composite Materials Under Bi-Axial Loads"	[C154]. G.C. Papanicolaou, T.V. Kosmidou and N.K. Anifantis, "Prediction of the Mechanical Properties of FRP's by Means of the Concept of Hybrid Interphase"	VAFTEM WORKSHOP TESTING PROCEDURES AND STANDARDS FOR HIGH PERFORMANCE FIBRES
14.20-14.40	[C170]. J.K.W. Sandler, A.H. Windle, M.S.P. Shaffer, P. Werner and V. Altstadt, "Fine-Tuning the Properties of Poly(Ether Ether Ketone)/Poly(Ether Imide) Blends by the Addition of Carbon Nanofibres"		[A061]. M. Vettori, T.T. Chi, S.V. Lomov and I.Verpoest, "Progressive Damage Characterization of Stitched, Bi-Axial, Multi-Ply Carbon Fabrics Composites"	[B100]. K. Milička and F. Dobeš, "Directional Creep Behaviour of Magnesium Matrix Composites Reinforced by Alumina Fibres"	[C113]. B. Lascoup, Z. Aboura and M. Benzeggagh, "Effect of Structural Parameters on Mechanical Behaviour of Stitched Sandwiches"	[B018]. V. Carvelli and A. Corigliano, "Transversal Resistance of Long-Fibre Composites: Influence of the Fibre-Matrix Interface"	For the VAFTEM workshop programme please click here (internet connection required)
	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE	POLYMER MATRICES	SAME AS ABOVE
14.40-15.00	[C055]. L. Gao and Y. Li, "Preparation and Properties of Cr2N-Al2O3 Nanocomposites"	[A015]. D. Tzetzis, P.J. Hogg and M.J. Gogia, "Assessment of a Novel Bondline Toughening Procedure for Composite Vacuum Infusion In-Field Repairs"	[B026]. M. Grassi, A. Clarke, M. Gaitonde and N. Khemiri, "Analysis of Trough-the-Thickness Reinforcements Effect on the Failure Modes of a Composite Rib Foot"	[B101]. F. Dobeš and K. Milicka, "Influence of Matrix Composition on Creep of Aluminium-Based Composites"	[B136]. R. Schledjewski, "Mechanical Performance of In-Situ Consolidated Thermoplastic Fiber Reinforced Tape Materials"	[B045]. G. Bogoeva-Gaceva and A. Grozdanov, "Comparison of Different Models for Spherulitic Growth Evaluation in Fibre-Reinforced Polymer Composites"	VAFTEM WORKSHOP TESTING PROCEDURES AND STANDARDS FOR HIGH PERFORMANCE FIBRES
15.00-15.20	[C017]. P. Barpanda, "Effects of particulate fly ash filler addition and sliding velocity on wear behaviour of epoxy system"	[B167]. M.R. Wisnom and K.D. Potter, "Generation of Residual Stresses and Distortion During the Cure of Polymer Matrix Composites"	[B004]. Z. Jendi, J.F. itoussi, F. Meraghni and Didier Baptiste, "Micromechanical Analysis of Strain Rate Effect on Damage Evolution in Discontinuous Fibre Composites"	[B103]. L. Mosse, W. Cantwell, M.J. Cardew-Hall, P. Compston and S. Kalyanasundaram, "Formability Characteristics of Polymer-Metal Laminates and Random Fibre Based Fibre-Metal Laminates"	[B145]. A. Sjögren, F. Edgren and L.E. Asp, "Effects of Stitch Pattern on the Mechanical Properties of Non-Crimp Fabric Composites"	[B071]. H. Kishi, K. Uesawa, S. Matsuda and A. Murakami, "Adhesive Properties of Toughened Epoxy Resins with Pre-Formed Thermoplastic Polymer Particles"	For the VAFTEM workshop programme please click here (internet connection required)
15.20-15.40		[C144]. F. Novais, J.P. Nunes, J.F. Silva, F. van Hattum, P. Vieira and R. Figueiro, "Production of GF/PP Woven Fabrics from Powder Coated Thermoplastic Matrix Towpregs"	[B127]. G. Baruffaldi, G. Nicoletto and E. Riva, "3D Finite Element Damage Analysis of a Twill-weave Lamina subjected to In-plane Shear"	[B104]. L. Mosse, W. Cantwell, M.J. Cardew-Hall, P. Compston and S. Kalyanasundaram, "Effect of Process Temperature and Blank-Holder Force on the Forming of Fibre Metal Laminates Systems"	[C151]. D.H. Pahr, C. Schuecker, F.G. Rammerstorfer and H. Pettermann, "Investigations of Perforated Laminates in the Presence of Residual Stresses"	[B093]. A. Feldman, E. Wachtel, M. Moret and G. Marom, "The Decoded Model of Transcrystallinity in Carbon and Aramid Fibers Reinforced Nylon 66 Composites by Synchrotron Study"	
15.40-16.00		[C028]. J. Campbell, P. Compston and Z.H. Stachurski, "Improve Design and Manufacture of a High Performance Composite Oar Blade"	[A032]. A. Barroso, P. Toro, V. Mantič and F. Paris, "Evaluation of Generalized Stress Intensity Factors in Anisotropic Elastic Multimaterial Corners"	[B152]. M. Budescu, N. Taranu, I. Ciongradi, D. Isopescu, G. Oprisan and C. Marta, "Analysis and Behaviour of Sandwich Pannels with Profiled Metal Facings Under Transverse Load"	[C160]. V.A. Polyakov, "Plane Stress Wave Interaction Under Impact on the Surface of a Layered Composite Panel"	[B095]. J.M. Degrange, K. Masenelli-Varlot, G. Vigier, O. Mathieu and J. Varlet, "Evolution of the Exfoliation of Lamellar Materials During Polymerisation of Polyamide-6"	
16.00-16.20			[B162]. D. Raz, E. Wiesel, E. Maire, P. Cloetens and H. Daniel Wagner, "X-Ray Tomographic Investigation of Stochastic Damage in Polymer Composites"	[C057]. E. Girardin, A. Giuliani, G. Alberitni and P. McHugh, "Finite Element Simulation and Experimental Determination of Residual Stresses After Extrusion Process in Metal Matrix Composites"	[C181]. Q. Bing and C.T. Sun, "A Technique for High Strain Rate SHPB Testing of Off-Axis Carbon Fiber Composites"	[C010]. A. Aniskevich, J. Jansons and O. Starkova, "Effect of Temperature on Nonlinear Creep of some Thermoplasts"	
16.20-16.40			[B166]. N.A. Warrior, M. Ribeaux, D.A. Bailey and A.G. Caliskan, "Effects of Damage on the Energy Absorption of Composite Tubes"	[C208]. D.S. Wilkinson, J. Gammage and Y. Brechet, "Modeling Damage Evolution and Fracture in Metal Matrix Composites"	[C211]. X. Colom, F. Carrillo, F. Nogués, F. Andreu, J.I. Velasco and F.J. Cañavate, "Mechanical Behaviour in HDPE-Tyre Reused Rubber Composites. Effect of Chemical Modification"	[C047]. J. Enqvist and M. Enqvist, "Reduction of Detrimental Mechanical Anisotropy of LCP Composites"	
16.40-17.00	AFTERNOON BREAK						
17.00-19.30	POSTER SESSION						
17.00-18.30	MARIE-CURIE SPECIAL TRAINING EVENT 1	"Modelling the Physico-mechanical Behaviour of Composites"			Coordinator: Prof. John Nairn		
18.30-	MEETING OF THE ESCM COUNCIL						

8:30-9:30							
PLENARY LECTURE 3. Prof. James Seferis. University of Washington, USA. "Polynanomer ESS: A Scalable Process for Utilization of Nanotechnology in Polymeric Composites".							
CHAIR PERSONS: Z. Marioli-Riga, J.F. Gerard							
9:30-10:30							
SYMPOSIUM 5 - SESSIONS							
ROOM NAME:	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
TOPIC:	GENERAL APPLICATIONS - 1	CONSTRUCTION - 3	SMART COMPOSITES - 3	MODELLING - 6	AUTOMATED MANUFACTURING - 4	TRANSPORTATION - 3	CEN - 1
CHAIR PERSONS:	C.T. Sun, G.F. Paris	N. Tsouvalis, C.P. Pantelides	Y. Jayet, J. F. Silvain	M. Hojo, C. Soutis	I. Crivelli Visconti, P. J. Hogg	Z. Marioli Riga, A. Paipetis	
9.30-9.50	[B079]. M. Ramesh Kumar and P.D. Manoharan, "A Study on CBR Behaviour of Sand - Fly ash - Sodium Hydroxide Mixture"	[B079]. M. Ramesh Kumar and P.D. Manoharan, "A Study on CBR Behaviour of Sand - Fly ash - Sodium Hydroxide Mixture"	[C173]. P. Sittner, V. Novák, M. Landa and G.N. Daynand, "Recovery Stress Generation by Shape Memory Alloy Polycrystalline Elements"	[B097]. J.-D. Mathias, X. Balandraud and M. Grediac, "A Two-Dimensional Approach to Compute Shear Stresses in Bonded Composite Patches"	[B084]. M.J. Langham and C. Lekakou, "Experimental Study of Resin Infusion under Flexible Tool (RIFT)"	[C120]. Y.-C. Liang and Y.P. Sun, "Optimal Design of The Swept-Forward Wing in Composite Materials"	CEN-Committee Meeting
9.50-10.10		[B050]. A. Hammami, A. Alshamsi and S. Hareeb, "The Vacuum Infusion Molding Process for Strengthening Concrete Structures"	[C212]. G. Zhou, A.R. Giles and P. Lloyd, "Design, Manufacture and Evaluation of Bending Control of Carbon/Epoxy Composite Beams with Embedded SMA Wires"	[A067]. Tetsusei Kurashiki, Masaru Zako, Satoru Hirose, Stepan Lomov, and Ignaas Verpoest, "Estimation of a mechanical characterization for woven fabric composites by FEM based on damage mechanics"	[C083]. L. Iuliano, M.G. Violante, E. Bassoli and A. Gatto, "Planning and Manufacturing a Mould for Resin Transfer Moulding"	[C096]. H. Kikukawa, "Proof of Concept for New Composite Structures of Aircraft"	CEN-Committee Meeting
10.10-10.30	[B155]. V. Papazoglou, F. Livingstone, P. Chauchot, G. Jennequin, I. Kilpatrick, R. Meddes, P. Stevenson, V. van Tooren-Antonelli, N. Tsouvalis and J. Williams, "Lightweight Composite Pressure Housings for Mid-Water and Benthic Applications"	[B069]. A.R. Khoei and H.R. Irannejad, "FE Investigation of Bond Behaviour Between Smooth Composite FRP Rods and Concrete with the Effects of Environmental Parameters"	[B129]. N. Chrysochoidis, S. Tzoutzouli and D.A. Saravanos, "Identifying the Temperature Effect on the Damped Response of Composite Beams using Piezoceramic Actuators and Sensors"	[C053]. A. Fjeldly, T. Carlsen, T. Olsen and R. Lauritzen, "Failure Analysis of Filament Wound Composite to Metal Joints using Puck's Failure Criterion"	[C118]. M. Thouin and L. Lessard, "Design of a Carbon Fiber Bicycle Stem Using an Internal Bladder and Resin Transfer Molding"	[C061]. A.K. Green, "Composite Rib Development"	CEN-Committee Meeting
10.30-11.00							
MORNING BREAK							
ROOM NAME:	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
TOPIC:	GENERAL APPLICATIONS - 2	CONSTRUCTION - 4	SMART COMPOSITES - 4	MODELLING - 7	AUTOMATED MANUFACTURING - 5	NANOFUN - 1	CEN - 2
CHAIR PERSONS:	G. F. Paris, V. Papazoglou	W. Banks, E. Gutiérrez	Y. Jayet, J. F. Silvain	C. Soutis, J. Nairn	I. Crivelli Visconti, J. Thomason	M. J. Kenny	
11.00-11.20	[A005]. S. Blassiau, A.R. Bunsell and A. Thionnet, "Micromechanical Damage and Life Prediction of Carbon Fiber Composite Pressure Vessels"	[C196]. T. Kreaikas and T. Triantafillou, "Automated Design of FPR-Strengthened Masonry"	[B046]. Z. Marioli-Riga, C. Vrettos, A.Karanika and E.E. Gdoutos, "Development of a Smart Composite Patch Methodology for the Continuous Health Monitoring of Aircraft Repairs"	[B065]. M. Kamiński, "Sensitivity Analysis for Effective Properties of Periodic Fiber-Reinforced Composites"	[C192]. J.L. Thomason, "Structure-Performance Relationships of Injection Moulded Thermoplastic Composites at High Fibre Contents."	[N1]. J.M. Kenny, "NANOFUN-POLY: Network of Excellence on Nanostructured and Functional Polymer-Based Materials and Nanocomposites"	CEN-Committee Meeting
11.20-11.40	[B008]. A. Alzina, A. Beakou, E. Toussaint and B. Skoczen, "The Influence of Phonon Transmission Impedance on the Thermal Conductivity in Composite Material for Cryogenic Structure"	[C153]. N. Saenz, C.P. Pantelides and L.D. Reaveley, "Contribution of Externally Applied FPR Composites to Concrete Shear Transfer"	[A054]. C. Novo, A.N. Costa, M. Sousa, A.T. Marques, O. Frazão and I. Dias, "Smart Composite Plates for Health Monitoring of Boat Structure"	[C041]. T. Daxner, M. Luxner and F.G. Rammerstorfer, "Thermo-Mechanically Interacting Composite Pipes Optimised by Genetic Algorithms"	[B091]. D.Merhi, E. Comte, V. Michaud and J.A.-E. Manson, "Effect of Fibre Sizing on Sheet Moulding Compounds Rheology"		CEN-Committee Meeting
11.40-12.00	[B054]. O. Montagnier and C. Hochard, "Design of High Rotation Frequency Composite Tubes"	[C157]. R. Perera, "Strengthening of RC Columns with FRP Jackets"	[C069]. T. Monnier, P. Guy, N. Godin and Y. Jayet, "Implementation of a Multifunctional Piezoelectric Embedded Sensor for the Health Monitoring of the Whole Life Cycle of a Real Composite Structure"	[C095]. A. Khaldjigitov, U. Adambaev and R. Khudazarov, "The Numerical and Mathematical Modelling of Elastic Plastic Transversely Isotropic Materials"	[C040]. H.H. Moreno, B. Douchin, F. Collombet and P. Davies, "Precise Positioning of Unit Cells and Embedded Instrumentation for Fabrication and Pressure Testing of Filament Wound Tubes"	[N2]. C.J.G. Plummer, M. Rodlert, C. Houphouet-Boigny and J.-A.E. Manson, "Nanocomposites for Hybrid Composite Materials"	CEN-Committee Meeting
12.00-12.20	[B083]. W. Hufenbach, J. Bijwe, K. Kunze and A. Langkamp, "Development of Bearing Material and High Performance Bearings for Dry Applications Under Harsh Operating Conditions"	[C193]. O.T. Thomsen, E. Bozhevolnaya and A. Lyckegaard, "Localised Effects in Structural Sandwich Panels: Practical Occurrence, Analysis and Design"	[C031]. J.-F. Caron, M. Vandamme and A. Ehrlicher, "Validation of a Piezoelectric Laminated Plate Modelling"	[B121]. M. Quaresimin and M. Ricotta, "Finite Element Analysis of Bonded and Co-Cured Joints in Composite Materials"	[C099]. A. Kocov, D. Spaseska and J. Lazarev, "Correlation between Production's Process Parameters of Glass-Fiber Based Composite Materials with its Mechanical Properties"	[N3]. E. Serrano, D. Mecerreyes and I. Mondragon, "Self-Assembling of Functionalized Block Copolymers into Thermosetting Matrices"	CEN-Committee Meeting
12.20-12.40			[B074]. X. Kornmann, C. Huber, M. Barbezat and A.J. Brunner, "Active Fibre Composites: Sensors and Actuators for Smart Composites & Structures"	[A041]. F. Robitaille, A.C. Long, M. Sherburn and C.D. Rudd, "Predictive Modelling of Processing and Performance Properties for Textile Composite Unit Cells: Current Status and Perspectives"		[N4]. E. Bugnicourt, J. Galy, J.F. Gerard and H. Barthel, "Novel High-Performance Nanocomposites Based on an Epoxy Matrix and Fumed Silica Nanofillers"	CEN-Committee Meeting
12.40-14.00							
LUNCH							

SYMPOSIUM 6 - SESSIONS								
14.00-16.40	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B	
ROOM NAME:	ENVIRONMENT & RENEWABLE ENERGY - 3	CONSTRUCTION - 5	NANOCOMPOSITES - 6	NDT - 3	METAL MATRIX COMPOSITES - 4	NANOFUN - 2	CEN - 3	
TOPIC:	T. Peijs, A. Cervenka		E. Gutiérrez, H. Fukuda		T. W. Chou, Y. Dzenis		V. Kostopoulos, A. Paipetis	
CHAIR PERSONS:	T. Peijs, A. Cervenka		E. Gutiérrez, H. Fukuda		T. W. Chou, Y. Dzenis		V. Kostopoulos, A. Paipetis	
14.00-14.20	[C156]. P. Corvaglia, A. Passaro, A. Guarino, O. Manni, L. Barone and A. Maffezzoli, "Recycling of PP-Based Sandwich Panels with Continuous Fibers Composite Skins"	[C042]. A. Deifalla and A. Ghojarah, "Analytical Torsion Model for Strengthened Concrete Beams"	[C215]. Y.A. Dzenis, "Novel Advanced Continuous Nanofibers as Next Generation Reinforcement for Composites"	[C027]. T. Butler, S. Krishnamurthy, R. Chen, R. Badcock and G.F.Fernando, "Health Monitoring of Composite Structures Using a Novel Fibre Optic Acoustic Emission Sensors"	[C130]. M. Hojo, M. Nakamura, M. Tanaka and S. Ochia, "Effect of Bending Deformation on Critical Current in Bi2223/Ag/Ag-Alloy Aomposite Superconducting Tapes"	[N5]. S. Bizet, S. Bocchini, J. Galy and J.-F. Gerard, "Different Routes for Processing Nanocomposites: Pre-Formed Inorganic Nanobuilding Blocks, Nanosilica and Sol-Gel"	CEN-Committee Meeting	
14.20-14.40	[A003]. J. Jedidi, F. Jaquemin and A. Vautrin, "Identification of 3D Moisture Diffusion Coefficients for Carbon/Epoxy Laminates"	[C183]. H. Suzuki, "Experimental Study on Repair of Cracked Steel Member by CFRP Strip and Stop Hole"	[B037]. O.L. Figovsky and L.D. Shapovalov, "Nanostructured Nonosocyanate Polyurethane Composites"	[C197]. H. Tsuda, "Impact Damage Detection of CFRP using an FBG Ultrasonic Sensing System"	[C049]. T. Etter, J. Kuebler, T. Frey, P. Schulz and P.J. Uggowitzer, "Thermomechanical properties of interpenetrating graphite/aluminium composites produced by indirect squeeze casting process"	[B181]. S. Bolas, A. Korakianiti, G. Kandilioti and V.G. Gregoriou, "Spectroscopic and Mechanical Characterization of Isotactic and Syndiotactic Polypropylene Nanocomposites"	CEN-Committee Meeting	
14.40-15.00	[B135]. R. Schledjewski, L. Medina, M. Lahm and H. Jungmann, "Thermoset Bonded Natural Fibre Prepregs - A New Approach for an Eco-Composite"	[C077]. D. Heider, A. Dominauskas, Z. Yu, K. Yoon, J.W. Gillespie, K. Black, E. Udd, W. Schulz, S. Kreger and M. Kunzler, "Embedded Sensor Based Health Monitoring System of a Composite Bridge Deck"	[B039]. M. Ioelovich and O. Figovsky, "Study of Nano-Plastics Containing Fillers of Various Types"	[C137]. M. Mülle, F. Collombet, J.N. Perie and Y.-H. Grunevald, "Instrumented Technological Specimen (Its): Curing Process and Mechanical Characterisation using Embedded Fiber Bragg Gratings"	[C088]. J.S. Craft and W.S. Johnson, "Gamma Titanium Aluminide Matrix Composites: A Parametric Study of Optimum Constituents"	[N6]. R. Turcu, I. Craciunescu, O. Pana, A. Darabont, A. Bot, N. Aldea, M.N. Greco, D. Bica and L.Vekas, "A Comparative Study of Composites Based on Conducting Polypyrrole"	CEN-Committee Meeting	
15.00-15.20	[C009]. E. Altus, O. Ishai and G. Alon, "Hygrothermal Effects on Interlaminar Strength and Cracking of Thick Graphite-Phenolic Laminates"	[C076]. P. Heffernan, G. Wight, C. Shyu and M.-A. Erki, "Rapidly Deployable, Portable, GFRP VEHICLE Bridge Development Project"	[C075]. F.W.J. van Hattum, A. Gaspar-Cunha, M.L.Lake and C.A. Bernardo, "Optimisation of the Low-Shear Compounding of Carbon Nanofibre/Polymer Composites"	[B156]. M. Ussorio, H. Wang, S.L. Ogin, A.M. Thorne, G.T. Reed and S.C. Tjin, "Response of a FBG Sensor to Matrix Crack Development"	[C001]. I. Hadi, K. Poorazarang and P. Abachi, "The Effect of Thermal Cycling on the stiffness and Density of the Short Fiber Al2O3/WE54 Mg Alloy Composite"	[N9]. R. Joffe and J. Varna, "Manufacturing and Characterization of Polypropylene Reinforced with Carbon Nano-Tubes"	CEN-Committee Meeting	
15.20-15.40	[B126]. A.J. Cervenka, R.J. Young and K. Kueseng, "Investigation of Hygrothermal Ageing Phenomena in Model Composites by Raman Spectroscopy"	[C138]. H. Namiki, M. Tanaka, H. Ozasa, M. Hojo, T. Kitada and M. Matsumura, "Post-Tension Strengthening via Carbon Fiber Sheet for Existing Steel Bridge Girders"	[B094]. C. Ibanes, K. Masenelli-Varlot, A. Malchère, R. Séguéla, L. David, G. Robert, "Morphology of PA6-Nanocomposite Fibres by Means of ESEM Study of Fracture Surfaces"	[C188]. N. Takeda, Y. Okabe and S. Takeda, "Quantitative Measurement of Delamination Growth in Composite Laminates with Small-Diameter Fiber Bragg Grating Sensors"	[C217]. G. Papakaliatakis and D. Karalekas, "Study of Debonding Development in Fibrous Metal Matrix Composites"	[N10]. I. Kleps, A. Angelescu, M. Mihaela, M. Simion, E. Condac, L. Savu, T. Neghina and A. Bragaru, "Porous Silicon Based Composite Materials for Sensor and Biomedical Applications"	CEN-Committee Meeting	
TOPIC:	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE	CERAMIC MATRIX COMPOSITES - 3		SAME AS ABOVE	
15.40-16.00	[C098]. A. Kobiki, H. Kawada and K. Matsunaga, "Study of PMCs on Stress-Corrosion Cracking (Effect of Interfacial Debonding Energy on Matrix Cracking)"	[C124]. A.R. Mackintosh, R.A. Pethrick and W.M. Banks, "Development of Novel Urethane Composites for Vibrational Control"	[C168]. S. Jain, H. Goossens, F. Picchioni, M. van Duin and P.J. Lemstra, "Nano-Composites via Solid-State Modification for Toughening Semi-Crystalline Polymers"	[B171]. X. Hu and X. Wu, "Internal Structure Damage Evolution in Composite using Synchrotron Radiation"	[C216]. A. Michaux, C. Sauder, G. Camus and R. Pailler, "Thermomechanical Properties of CVI-Processed Si-B-C Based Carbides as Derived from the Behavior of Carbon Fiber-Reinforced Microcomposites"		CEN-Committee Meeting	
16.00-16.20	[C015]. B.S. Ray "Influence of Aqueous Solutions on Mechanical Behaviour of GFRP Composites at Room Temperature and at High Temperature"	[C155]. F. Bastianini, B. Bonfiglioli, C. Verlinden and G. Pascale, "Interaction Between Shear and Normal Stress at Concrete-FRP Interface"	[C210]. W.P. Weinhold and R. Stengler, "New Method to Determine the Influence of Fical/Nano-Particles on Surface & Functional Properties"	[C007]. A. Aliverdiev, E. Bacchi, M. Caponero, R. Conza and C. Moriconi, "Automatisation of Dynamic Electronic Speckle Pattern Interferometry Measurements in Application to Defect Detection"	[C074]. M.S. Aly-Hassan, H. Hatta, O. Keisuke and H. Suemasu, "Strength Improvement and Notch Insensitivity of Carbon/Carbon Composites using ESPI-NDE"		CEN-Committee Meeting	
16.20-16.40		[C177]. O. Starkova, "Deformability and Durability of CFRP Rebars and Components Under Moisture and Temperature Action"			[B064]. C. Kaiser, H. Wittke, H. Weihs and A. Obst, "Failure Criteria for Non-Metallic Materials - Part II: Ceramic Matrix Composites"		CEN-Committee Meeting	
16.40-17.00	AFTERNOON BREAK							
17.00-18.00	GENERAL ASSEMBLY ESCM							
18.00-19.30	MARIE-CURIE SPECIAL TRAINING EVENT 2	"Business and Management Opportunities in the Field of Composites"				Coordinator: Prof. James Seferis		
21.00-	BANQUET.	Central Speaker: Dr. Ioannis Spanudakis, Managing Director Athens 2004 Organizing Committee			Moderator: Prof. C. Galiotis			

8:30-9:30							
PLENARY LECTURE 4. Prof. Dan Bader. Queen Mary University of London, UK. "Functionality of Biological Composites. The Importance of Interactions at different Hierarchical Levels".							
CHAIR PERSONS: V. Kostopoulos, F. R. Jones							
9:30-10:30							
SYMPOSIUM 7 - SESSIONS							
ROOM NAME:	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
TOPIC:	NATURAL COMPOSITES - 1	ENVIRONMENT & RENEWABLE ENERGY - 4	MECHANICAL PROPERTIES - 4	DAMAGE - 2	NANOCOMPOSITES - 7	AUTOMATED MANUFACTURING - 6	CEN - 4
CHAIR PERSONS:	T. Peijs, J. Thomason	A. Vautrin, A. Bunsell	A. Cardon, C. Caprino	C. Soutis, J. Varna	D. Wagner, K. Schulte	I. Verpoest, C. Lekakou	
9.30-9.50	INVITED SPEAKER Prof. R. Wool, "Bio-Based Composites"	[B032]. M ^a D. Salvador, V. Amigó, O. Sahuquillo, C. M ^a Antolinos, F. Segovia, A. Vicente and C. Sanz, "Modeling of Long-Term Degradation of E-glass Reinforced Composites in Organic Environments"	[A008]. Z. Zhang, P. Klein, K. Friedrich, G. Theiler and W. Hübner, "Friction of Polymer Composites in Liquid Hydrogen Media"	[B148]. J. Lee, C. Soutis, P. T. Curtis and C. Kong, "Modelling of Low Velocity Impact Damage in Laminated Composites"	[B115]. P. Pissis and D. Fragiadakis, "Broadband Dielectric Spectroscopy for studying Morphology and Interfacial Effects in Polymer Nanocomposites"	[B141]. E. Natividad, J.M. Heintz and J.-F. Silvain, "Electroless Deposition of Metal Substrate"	CEN-Committee Meeting
9.50-10.10		[B164]. C. Wang and Y.D. Huang LiLi, "Calculation of Water Diffusion Coefficient and Dynamics in Site of Adhesive/C-C Composites Joints"	[C073]. J. Hartikainen, T. Harmia and M. Lindner, "Structure and Properties of Long Glass Fibre Reinforced Polyamide-66 Modified with Thermoset Resin"	[C201]. J. Varna and M. Oldenbo, "Inelastic Behavior of Viscoelastic SMC Composites with Micro Damage"	[B003]. K. Kalaitzidou, H. Fukushima and L.T. Drzal, "Effect of Processing on the Thermo-Mechanical and Electrical Properties of Exfoliated Nano-Graphite Reinforced Polypropylene"	[B085]. C. Lekakou, S. Cook, Y. Deng, T.W. Ang and G.T. Reed, "Optical Fibre Sensor for Monitoring Flow and Resin Curing in Composites Manufacturing"	CEN-Committee Meeting
10.10-10.30	[B029]. M. Durante, C. Leone, M. Ussorio and I. Crivelli Visconti, "Solution Impregnation of Natural Fibres/ABS Matrix Composites"	[C132]. M. Megnis and P. Brøndsted, "Life Predictions of Long Fiber Composites in Extreme Environmental Conditions using Damage Evolution Approach"	[A009]. L. Chang, Z. Zhang, H. Zhang and K. Friedrich, "Sliding Wear of Polyamide 6,6 Nanocomposites"	[A018]. S. Cauchi-Savona and P. Hogg, "Effects of Stitching Parameters on the Energy Absorption of Flat Composite Plates"	[C072]. A. Haque and A. Ramasetty, "Stress Transfer in Carbon Nanotube Reinforced Polymer Composites: An Experimental, Finite Element and Analytical Study"	[C147]. A. Nwabuzor, O.I. Okoli and H-P Wang, "The Development of the Resin Infusion between Double Flexible Tooling Process: Implementation of UV Curing"	CEN-Committee Meeting
10.30-11.00							
MORNING BREAK							
TOPIC:	NATURAL COMPOSITES - 2	ENVIRONMENT & RENEWABLE ENERGY - 5	MECHANICAL PROPERTIES - 5	DAMAGE - 3	NANOCOMPOSITES - 8	AUTOMATED MANUFACTURING - 7	CEN - 5
CHAIR PERSONS:	T. Peijs, F. Smith	A. Cervenka, A. Vautrin	M. Quaresimin, A. Cardon	C. Soutis, J. Varna	T. W. Chou, P. Pissis	A. Torres-Marques, C. Lekakou	
11.00-11.20	[A062]. I. Van de Weyenberg, B. Berghmans, B. Vangrimde and I. Verpoest, "A Continuous Process for UD Flax Fibre Reinforced Composites"	[C084]. F. Jacquemin, S. Friour and R. Guillen, "A Self-Consistent Approach for Transient Hygroscopic Stresses and Moisture Expansion Coefficients of Fiber-Reinforced Composites"	[B017]. V. Carvelli, T.T Chi, M.S. Larosa, S.V. Lomov, C. Poggi, D. Ranz Angulo and I. Verpoest, "Experimental and Numerical Determination of the Mechanical Properties of Multi-Axial Multi-Ply composites"	[B088]. J. Segurado and J. Llorca, "Computational Modelling of Deformation and Damage in Particle-Reinforced Composites"	[B114]. I. Alig, S.M. Dudkin, P. Pötschke, P. Pissis and D. Fragiadakis, "Dielectric Spectroscopy and Thermally Stimulated Depolarization Currents on Carbon Nanotube-Polycarbonate Composites"	[C052]. S.P. Fernberg and E.J. Sandlund, "Particle Distribution Mechanisms in Infusion Molded Composites"	CEN-Committee Meeting
11.20-11.40	[B040]. R.C. Neagu, E.K. Gamstedt and M. Lindström, "Stiffness Contribution of Wood Fibres to Composite Materials"	[B033]. N. Martinez, M.D. Salvador, D. Busquets and V. Amigó, "Corrosion Behaviour in NaCl Solutions of AMCs: Material and Test Parameters Influence"	[B019]. J.A. Casado, I. Carrascal, J.A. Polanco and F. Gutiérrez-Solana, "Effect of Viscosity on Mechanical Behaviour of Short-fibre Glass Reinforced PA 6.6 Parts"	[C133]. H. Chahal, F. Meraghni, F. Pierron and M. Grediac, "Identification of Elastic Stiffness and Damage Model for Anisotropic Materials by the Virtual Fields Method"	[B177]. M. Amici, N.E. Zafeiropoulos, K. Schneider, M. Stamm, J.F. Gerard and J. Galy, "Processing and characterisation of Polyhedral oligomeric silsesquioxanes nanocomposites"	[B076]. Z.I. Samaras, M.C. Kazilas, A.A. Skordos, I.K. Partridge and J.R. Hartley, "Monitoring Cure in Glass Fibre/Vinyl Ester Pultrusions"	CEN-Committee Meeting
11.40-12.00	[B159]. C. Romão, P. Vieira and J.L. Esteves, "Mechanical Characterisation of Sisal Fibres for Reinforcing of Composite Materials with several different Surface Treatments"	[A045]. A. Endruweit, A.C. Long, F. Robitaille and C.D. Rudd "Dependence of Permeability Variations on the Textile Structure"	[C102]. E. Kontou and A. Kallimani, "Viscoplastic Response of Unidirectional Fiber Polymer Composites"		[C166]. L. Licea-Jiménez, B. Voigt, A. Gromov, D. Rouxel, A. Pic, D.H. McQueen, E.E.B. Campbell and R.W. Rychwalski, "Composites of SWNT or Carbon Black and Melamine-Formaldehyde with Cellulose"	[C051]. M. Feiler, L. Chatzigeorgiou, R. Aoki, W. Dudenhausen and K. Drechsler, "New Approach in Process Monitoring of Vacuum Assisted Resin Infusion Process (VARI)"	CEN-Committee Meeting
12.00-12.20	[C032]. R.F. Carvalho and C. Calil Jr, "Sisal Fibres Composites for Timber Elements Reinforcement"	[C172]. R. Sarathi, S. Chandrasekar, C. Venkateshaiah and R. Velmurugan "Influence of Acid Rain on the Tracking Phenomena in Silicone Rubber Insulation - Diagnosis through Physico-Chemical Analysis"	[A001]. A. Smits, D. Van Hemelrijck, T. Philippidis, A.M. van Wingerde and A. Cardon, "Optimisation of a Cruciform Test Specimen for Biaxial Loading of Fiber Reinforced Material Systems"		[B183]. L.Lu, L. Georgoulis, J. Seferis, N. Andrianopoulos, W. Laurence, C. Arnold, M. Morgan, "Nanogravimetric Processing of Polymeric Composites for High Temperature Filtration"	[B030]. C. Leone, M. Durante and I. Crivelli Visconti I. De Iorio, "New Resin Film Infusion Process for Manufacture of Large Composite Structures"	CEN-Committee Meeting
12.20-12.40	[B055]. P.N.B. Reis, J.A.M. Ferreira, F.V. Antunes and J.D.M. Costa, "Fatigue behaviour of hybrid composite laminates subjected to bending loading"	[B150]. L.E. Evseeva and S.A. Tanaeva, "Features of Thermophysical Properties of Modified Epoxy Composites at Low Temperatures"	[C178]. M. Setvanović, D. Marković, M. Gordić and I. Djordjević, "Edge Effect on Carbon/Epoxy Strength and Delamination of Carbon/Epoxy Laminate with Different Stacking Sequence"		[B184]. J.Killgore, K. Isiguro, G. Nikolais, N. Andrianopoulos, L. Georgoulis, J. Seferis, A. Georgoulis, D. Vallamonte, "Composite processing at the nanoscale for Polystyrene Modifications"		CEN-Committee Meeting
12.40-14.00							
LUNCH							

SYMPOSIUM 8 - SESSIONS							
14.00-16.40	DELPHI	SALON DES ROSES-1	SALON DES ROSES-2	NAYSIKA-1	NAYSIKA-2	EMR-A	EMR-B
ROOM NAME:	NATURAL COMPOSITES - 3	MODELLING - 8	MECHANICAL PROPERTIES - 6	NDT - 4	CERAMIC MATRIX COMPOSITES - 4	AUTOMATED MANUFACTURING - 8	CEN - 6
TOPIC:	R. J. Young, N. E. Zafeiropoulos	A. Paipetis, K. Varadi	A. Cardon, D. Mouzakis	C. Caprino, K. Schulte	J. Lamon, P. Sittner	P.J. Hogg, A. Torres-Marques	
CHAIR PERSONS:							
14.00-14.20	[B178]. N.E. Zafeiropoulos, "The Interface in Flax/Polypropylene Composite Materials"	INVITED SPEAKER John Nairn, "If One Must Do Shear-Lag Analysis of Composites, How Should it be Done and What can it Do?"	[B072]. H. Kishi, M. Kuwata, S. Matsuda, T. Asami and A. Murakami, "Damping Properties of Carbon-Fiber Reinforced Epoxy Composites with Viscoelastic Interleaf Films"	[B125]. J. L. Stanford, J. Halary, P. Cookson, P.A. Lovell and R.J. Young, "Carbon Nanotube-Polymer Composites for use as Remote Strain-Sensor Coatings"	[A027]. J. Lamon and V. Calard, "A Probabilistic-Statistical Approach to the Ultimate Failure of Textile Ceramic Matrix Composites"	[C175]. L. Carrino, W. Polini and L. Sorrentino, "Influence of Winding Speed on Winding Tension in Robotized Filament Winding of Complex-Shape Parts"	CEN-Committee Meeting
14.20-14.40	[B052]. K. Kaabi, A. Al-Khanbashi and A. Hammami, "Natural Fibers Reinforced Composites from Date Palm Fibers"		[B143]. A. Sjögren, Å. Nylander and A. Holmkvist, "Energy Absorption Capability of Low-Cost Composite Materials"	[C090]. G. Kalogiannakis, C. Glorieux, E.H. Benetfour, J. Ravi and D. van Hemelrijck, "IR Nonlinear Photothermal Imaging in Carbon/Epoxy Composite Materials: Experimental Survey"	[B172]. C. Kastritseas, P.A. Smith and J.A. Yeomans, "Damage Characterisation of Thermally-Shocked Woven-Fibre-Reinforced Ceramic Matrix Composites"	[C176]. P.S. Sreejith, "Machining of Carbon-Phenolic Ablative Composite Using PCBN Tools	CEN-Committee Meeting
14.40-15.00	[C186]. H. Takagi and S. Ochi, "Characterization of High-Strength Cross-Ply "Green" Composites"	[A012]. K. Váradi, T. Goda, Z. Néder and K. Friedrich, "FE Modelling of Wear Mechanics of CF/PEEK Composites"	[C108]. M. Zako, T. Kurashiki, Y. Nakanishi and K. Matsumoto, "On an Estimation of the Damping Properties of Woven Fabric Composites"	[B157]. H. Wang, S.L. Ogin, A.M. Thorne, G.T. Reed, "Determination of the strain-optical parameters for a polarimetric optical sensor embedded in a composite"	[C030]. A.C.S. Coutinho, J.C. Bressiani and A.H.A. Bressiani, "Silicon Nitride/Niobium Carbide Particulate Composites"	[C200]. I. Ton van der Laan, B. Weteringe, "Automatic Generation of Rib Mould for Rubber Forming of Thermoplastic Composites, Using Knowledge Based Engineering "	CEN-Committee Meeting
TOPIC:	SAME AS ABOVE	SAME AS ABOVE	GENERAL APPLICATIONS - 3	SAME AS ABOVE	SAME AS ABOVE		SAME AS ABOVE
15.00-15.20	[C112]. T.Q. Lam, F. Lagattu, J. Brillaud and J. Barbie, "Influence of Natural Fibre Reinforcement on Microstructural and Mechanical Properties of Polypropylene"	[A025]. A. Paipetis, Y.Z. Pappas, D.E. Vlachos and V. Kostopoulos, "Anisotropic Damage Modelling of Composite Materials using Ultrasonic Stiffness Matrix Measurements"	[C056]. A. van den Brink, G. Feofilov, G. Giraudo and S. Igoikine, "A Lightweight 3-D Support Structure for Precise Tracking System"	[C036]. E. Cornelis, A. Kottar and H.P. Degischer, "X-Ray Computed Tomography characterising Carbon Fibre Reinforced Composites"	[C185]. M. Szutkowska, "Fracture Toughness Determination of Composites Based on Alumina from Indentation-Induced Vickers Cracks"		CEN-Committee Meeting
TOPIC:	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE	METAL MATRIX COMPOSITES - 5		SAME AS ABOVE
15.20-15.40	[B001]. D. Cho, S.M. Lee, W.H. Park, S.G. Lee, S.O. Han and L.T. Drzal, "Mechanical and Thermal Properties of Novel Silk/Poly(butylene succinate) Biocomposites"	[C048]. A. Abedian and H. Farahpour, "Elasto-Plastic Analysis of Delamination Phenomena in Laminated Composites under Thermal Loads"	[A004]. J.-C. Minni, A. Vautrain and P. Henrat, "Dimensional Stability of Multilayer Printed Circuit Boards : Influence of the Reinforcement "	[B128]. E. Riva, M. Vettori, G. Nicoletto, "Electrical Resistance Methodology for Damage Monitoring in Composite Materials: Applications and Results"	[B011]. A.R. Boccaccini, E.J. Minay, P. Veronesi, V. Cannillo and C. Leonelli, "Glass Matrix Composite Foams Containing Metallic Fibres Produced by Microwave Heating"		CEN-Committee Meeting
15.40-16.00	[B158]. S. Gonçalves, P. Vieira and J.L. Esteves, "Mechanical Characterisation of Wool Fibres for Reinforcing of Composite Materials"	[C016]. E. Barkanov, E. Skukis and H. Kolsters, "Finite Element Modelling and Dynamic Analysis of Laser-Welded Sandwich Panels"	[C085]. H.-Y. Jeon, S.-J. Hong and W.-S. Lyoo, "Assessment of Waste Landfill Application Properties of PVA Geotextile/HDPE Geomembrane Composites"	[C220]. G.C. Psarras, "Hopping Conductivity in - Polymer Matrix - Granular Metal Composites"	[C129]. L.M. Marzoli , A.v. Strombeck , J.F. dos Santos , C. Gambaro and L.M. Volpone, "Friction Stir Welding of an AA7005/Al2O3/10% Reinforced Alloy"		CEN-Committee Meeting
16.00-16.20		[C002]. E. Abdullah, J.F. Ferrero, J.B. Mouillet and J.J. Barrau, "Development of a New Finite Element for Composite Delamination Analysis"	[C179]. D. Zhou and W.J. Stronge, "Dynamic Indentation of Lightweight Sandwich Panels"		[C198]. K. Unterweger and O. Kolednik, "Local Deformation Processes and Damage Evolution in MMCs"		CEN-Committee Meeting
16.20-16.40		[C004]. K. Afaq, S. Mistou and M. Karama, "Development of a Finite Element Analysis Software for Composite Materials Structures Based on a New Exponential Model in order to Incorporate the Effect of Transverse Shear Stresses"					CEN-Committee Meeting
16.40-17.00	AFTERNOON BREAK						
17.00-17.30	END CEREMONY						
17.30-19.00	MEETING OF THE NEW ESCM COUNCIL						