Final Program of ICCM-16

(Web version 6: July 2, 2007)

July 8 (Registration only) – July 13, 2007

Kyoto, Japan

At International Conference Center, Kyoto

Sponsored by the Japan Society for Composite Materials (JSCM)

and the Japan Aerospace Exploration Agency (JAXA)

General Chair: Takashi Ishikawa

Program Chair: Nobuo Takeda

Invitation

Dear Colleague:

On behalf of Local Organizing Committee of ICCM-16 formed in the Japan Society for Composite Materials, we would like to invite you to attend the 16th International Conference on Composite Materials (ICCM-16) to be held in Kyoto, Japan from 8(registration only) to 13 July, 2007.

This conference follows a pre-eminent tradition of ICCM, the most excellent conference series in the world. The world's leading composite scientists, engineers and designers keep attending ICCM series to present their newest findings and learn the latest achievements in these very active high-technology fields.

The conference main theme is defined as follows:
"A Giant Step towards Environmental Awareness: From Green Composites to Aerospace". This theme symbolizes a contribution of composite materials to the global environment and two extreme cases in composites research such as aerospace applications and green composites, which contains the vegetal reinforcements. This theme also implies that the conference venue is *International Conference Center, Kyoto (ICCK)*, birthplace of ***Kyoto Protocol*** for Carbon Dioxide Reduction.

Special features at ICCM-16 are:
■ Great Volume of Papers: Total of 711 papers including plenary presentations from all over the world are presented at the conference.
■ Good Mixture of Specialist and General Sessions: Roughly 320 papers will be presented in 27 Specialist Sessions, 330 papers in General sessions, and 50 papers in a poster session.
Among many specialist sessions, Office of Naval Research (ONR) promoted 3 sessions and 49 papers. "Structural Health Monitoring" and "Composite Testing and Model Identification" are the second largest specialist sessions.
■ Informative Plenary Lectures: Plenary talks including Historical Overview and Scala Lecture will be given by Prof. R. Byron Pipes, Prof. Isao Kimpara, Prof. Israel Herszberg, Dr. Yapa D. S. Rajapakse, Prof. C. T. Sun, Prof. Richard A. Pethrick, Prof. Stepan V. Lomov, Prof. Chang S. Hong, Prof. Goichi Ben and Prof. Anthony M Waas, highlighting this conference.
■ First Attempt of Tsai Best Student Paper Award: Six finalist selected from three regions will compete at the award presentation session.
■ Social Events: Welcome Reception and Conference Banquet are planned. Please enjoy a relaxed atmosphere and chats with old and new colleagues. The third event may take place on the Friday evening.

The organizing committee of ICCM-16 is pleased to invite you to attend this great conference. Also as you know, Kyoto is a cultural heart of Japan and the great historical city. Please enjoy Kyoto itself with the mood of the famous "Gion" festival.

We look forward to seeing you in Kyoto for a very informative and enjoyable event!

Takashi Ishikawa
General Chair, ICCM-16
ICCM-16
Japan Aerospace Exploration Agency

Nobuo Takeda
Chair, Program Committee,
ICCM-16
The University of Tokyo

Program at a Glance

Time / Date 2007	7:30 -- 8:30	8:40	9:00	9:10	9:20	9:40	10:00	10:20	10:40	11:00	11:30	12:00	12:20	13:00	13:20	13:40	14:00	14:20	14:40	15:00	15:40	16:00	16:20	17:00	17:40	18:00	18:40	19:00	19:40	20:00	21:00
7/8(Sun.)															Registration: at Entrance											Registration		End		
7/9(Mon.)	Registration		→			Scala Lecture			Coffee Break	Parallel Sessions								Parallel Sessions				Coffee Break	Parallel Sessions					Welcome Reception		
		Opening Ceremony								5 x 8 = 40		Lunch			Plenary Lecture 1 (13:30-14:00)		5 x 8 = 40					6 x 8 = 48								
				Historical Lecture																											
			Exhibit Hours (9:00-18:00)																												
7/10(Tue.)	Registration		→		Parallel Sessions				Coffee Break	Parallel Sessions								Parallel Sessions				Coffee Break	Parallel Sessions							
		Plenary Lecture 2 (8:30-9:00)			4 x 8 = 32					4 x 8 = 32		Lunch			Plenary Lecture 3 (13:30-14:00)		5 x 8 = 40					7 x 8 = 56								
														Tea Ceremony: at Hosho-an (4 rounds, Each round runs for an hour.)																
			Exhibit Hours (9:00-18:00)																												
7/11(Wed.	Registration		→		Parallel Sessions				Coffee Break	Parallel Sessions					Parallel Sessions				Coffee Break	General Assembly										
		Pleanry Lecture 4 (8:30-9:00)			4 x 8 = 32					4 x 8 = 32		Lunch			4 x 8 = 32					Poster Session										
			Exhibit Hours (9:00-18:00)																												
7/12(Thr.)	Registration		→		Parallel Sessions				Coffee Break	Parallel Sessions								Parallel Sessions				Coffee Break	Parallel Sessions					Banquet		
		Plenary Lecture 5 (8:30-9:00)			4 x 8 = 32					4 x 8 = 32		Lunch			Plenary Lecture 6 (13:30-14:00)		5 x 8 = 40					6 x 8 = 48								
			Exhibit Hours (9:00-15:00)																	15:00- Exhibition Closing										
7/13(Fri.)	Registration		→		Parallel Sessions				Coffee Break	Parallel Sessions								Parallel Sessions				Coffee Break	Parallel Sessions			Farewell Party				
		Plenary Lectute 7 (8:30-9:00)			4 x 8 = 32					4 x 8 = 32		Lunch			Plenary Lecture 8 (13:30-14:00)		5 x 8 = 40					4 x 8 = 32								

Date: Monday Morning

07/7/9 (Mon.)	Event	Plenary & Specialist Session		Specialist Seesion		Specialst Session		Specialst Session	
Room		Room A		Room B-2		Room F		Room G	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time:									
7:30 ---	Registration	Entrance			Entrance		Entrance		Entrance
8:40 -- 9:10		Opening Ceremony			←		←		←
		Historical Lecture							
9:10 -- 9:40	R. Byron Pipes	Composite Materials ? Global Technology of the Past, Present and Future			←		Mini-Exhibit Hours: Room B-1 (9:00-18:00)		←
		Scala Lecture							
9:40 - 10:20	Isao Kimpara	Damage Evaluation of Composite Laminates with Various Fiber Preform			←		←		←
10:20- 10:40		Coffee Break			Coffee Break		Coffee Break		Coffee Break
	Specialist Session	Advances in Composites Applications to Commercial Aircraft		Specialist Session	Structural Health Monitoring for Composites	Specialist Session	ONR Session - Marine Composites	Specialist Session	Green Composites I (Characterization 1)
10:40	Billy Roeseler	Composite Structures--The First 100 Years		Kazuro Kageyama	Elastic Wave Emission during Delamination Growth of Carbon/Epoxy Monitored with Fiber-Optic DEFEW Strain Rate Sensor	C.T. Sun	EFFECT OF TRANSVERSE NORMAL STRESS ON MODE II FRACTURE TOUGHNESS IN FIBER COMPOSITES	Karine Charlet	Relationship between the morphology and the mechanical behaviour of a flax fibre
11:00	(Keynote)			(Keynote)		Isaac M. Daniel	Mechanical and Failure Characterization of Textile Composites	Yong Cao	Effect of heat and alkali treatment on mechanical properties of kenaf fibers
11:10 11:20	Bruno Beral	AIRBUS STRUCTURE TECHNOLOGY ? NEXT STEPS AND VISION		Patricia P. Parlevliet	Process monitoring during liquid moulding of anionic polyamide-6 composites with FBG sensors	Fu-Pen Chiang	MECHANICAL PROPERTIES OF AN AUXETIC POLYURETHANE FOAM COMPOSITE	Ryan P Maloney	Degradation of cellulose/hemp biocomposites under various processing and hydrothermal environments
11:30 11:40	Francisco Arakaki	EMBRAER Composite Material Application		Tatsuro Kosaka	CURE MONITORING OF UV CHAIN CURING POLYMER BY FIBER OPTIC MEASUREMENT OF REFRACTIVE INDEX	Hassan Mahfuz	Functionalized Nanoparticles and Their Influence on the Properties of Nylon Filaments	Rui-Hua Hu	Study on hygrothermal aging of short jute fiber/PLA composites
11:50 12:00	Takashi Shono	A-VARTM TECHNOLOGY APPLICATION FOR JAPAN'S NEW REGIONAL JET AIRCRAFT		Soohyun Eum	PROCESS AND STRUCTURAL HEALTH MONITORING FOR VARTM USING FBGS BASED ON OFDR	Erik T Thostenson	Scalable Processing Techniques for Nanotube-Based Polymer Composites	Sarocha Charoenvai	INVESTIGATIONS ON HYGROTHERMAL PERFORMANCE OF COCONUT COIR CEMENT BOARDS UNDER THAI CLIMATE AS DETERMINED BY FIELD TEST AND SIMULATION
12:10 12:20	Yosuke Nagao	Low cost composite wing structure manufacturing technology development program in JAXA		Wei-Chong Liao	Monitoring the Curing Process of Concrete Composites Using Plastic Optic Fiber Sensors		Lunch (Restaurant Sakura)	Mohammad Golzar	MEASUREMENT OF PVT ROPERTIES OF WOOD-PLASTIC COMPOSITES
12:30 12:40 12:50		Lunch (Restaurant Sakura)			Lunch (Restaurant Sakura)				Lunch (Restaurant Sakura)

Date: Monday Morning

07/7/9 (Mon.)	Event	Specialist Session		General Seesion		General Session		General Session	
Room		Room H		Room I		Room J		Room K	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 7:30 ---	Registration	Entrance			Entrance		Entrance		Entrance
8:40 -- 9:10		Opening Ceremony (Room A)			←		←		←
		Historical Lecture							
9:10 -- 9:40	R. Byron Pipes	(Room A)			←		Mini-Exhibit Hours: Room B-1 (9:00-18:00)		←
		Scala Lecture							
9:40 - 10:20	Isao Kimpara	(Room A)			←		←		←
10:20- 10:40		Coffee Break			Coffee Break		Coffee Break		Coffee Break
	Specialist Session	Metal Matrix Composites		General Session	New Resins and Their Composites	General Session	Mechanics and Simulation of Composites Processing	General Session	Structural Analysis and Optimization
10:40	Andreas Mortensen (Keynote)	Highly Loaded Ceramic Particle Reinforced Aluminium		Yuichi Ishida	Development of Highly Soluble Addition-type Imide Oligomer and Polyimide / Carbon Fiber Composite Prepared by Imide Solution Prepreg	Alfred C. Loos	The Effects of Fiber Architecture and Thickness on the Permeability of Carbon Fiber Preforms	Wilfried Becker	A semi-analytical discretization method for the near-field analysis of two-dimensional multimaterial wedges under plane strain conditions
11:00				Gary L. Deets	RTM MOLDING STUDY OF CITRACONIC ANHYDRIDE END CAPPED POLYIMIDES	Bart Verleye	Permeability of Textile Reinforcements: efficient prediction and validation	Hubertus M. Wigger	A VARIATIONAL FINITE LAYER TECHNIQUE FOR THE INVESTIGATION OF REINFORCEMENT PATCH CORNERS
11:10	Andras Borbely (Invited)	Mean-window method for the evaluation of effective properties of particle reinforced metal-matrix composites							
11:20				Hirofumi Nishida	Glass Transition Temperature-less (Tg-less) Epoxy Resin as a Matrix of High Heat Resistant Composite	Chung-Hae Park	A FAST SOLUTION FOR LIQUID RESIN INFUSION PROCESS AND SIMULTANEOUS IDENTIFICATION OF DISTRIBUTION MEDIUM AND PREFORM PERMEABILITIES	Andrea A. Faggiani	Optimizing Postbuckling Composite Panels for Damage Resistance
11:30	Nikhilesh Chawla	Three-Dimensional (3D) Microstructure Visualization and Finite Element Modeling of the Mechanical Behavior of Metal Matrix Composites							
11:40				Akiko Shoji	Mechanical properties of heat resistant composite using Tg-less epoxy resin as a matrix	Christophe Binetruy	Stochastic modeling of resin flow in fibrous media in Liquid Composite Molding	Paola Apruzzese	NUMERICAL ANALYSIS OF COMPLEX FAILURE MECHANISMS IN COMPOSITE STRUCTURES
11:50	Guillermo Requena	EVOLUTION OF THE 3D MICROSTRUCTURE OF A SHORT FIBRE REINFORCED AL-SI ALLOY DURING CREEP							
12:00				Tokizane Imanishi	In-situ Polymerizable Thermoplastic Epoxy Resin and High Performance FRTP Using It and Fiber Fabrics	Piaras A. Kelly	Simulation of Resin Infusion Processes	Paul M. Weaver	Bounds on Buckling Response for Anisotropic Laminated Plates
12:10	Hans P. Degischer (Invited)	THERMAL EXPANSION OF Al- AND Mg-MATRIX COMPOSITES							
12:20					Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)
12:30		Lunch (Restaurant Sakura)							
12:40									

Date: Monday Afternoon I

07/7/9 (Mon.)	Event	Plenary & Specialist Session		Specialist Seesion		Specialst Session		Specialst Session	
Room		Room A		Room B-2		Room F		Room G	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 12:00 ---	Registration	Entrance			Entrance		Entrance		Entrance
12:20 -- 13:30		Lunch			Lunch		Lunch		Lunch
		Plenary Lecture 1							
13:30 - 14:00	Israel Herszberg	STRUCTURAL HEALTH MONITORING FOR ADVANCED COMPOSITE STRUCTURES			←		Mini-Exhibit Hours: Room B-1 (9:00-18:00)		←
14:00- 14:20		Refreshment			Refreshment		Refreshment		Refreshment
	Specialist Session	Polymer Nanocomposites for Structural Applications		Specialist Session	Structural Health Monitoring for Composites	Specialist Session	ONR Session - Marine Composites	Specialist Session	Green Composites II (Characterization 2)
14:20	Takashi Yanagisawa	CUP-STACKED TYPE CARBON NANOTUBES AND ITS NANO-COMPOSITES APPLICATION		Tomohiro Gotou	DETECTION OF ENVIRONMENTAL ACID PENETRATED IN FRP USING OPTICAL FIBER	Pedro J. Herrera-Franco	EFFECT OF MOISTURE ABSORPTION ON THE MICROMECHANICAL BEHAVIOR OF CARBON FIBER-EPOXY MATRIX COMPOSITES	Koichi Goda	Mechanical properties improvement of natural fiber green composites by cyclic load application
14:40 14:50	Tomohiro Yokozeki	Fracture toughness improvement of CFRP laminates by dispersion of cup-stacked carbon nanotubes		Stephen L. Ogin	Reflected spectra prediction for chirped fibre Bragg gratings used for disbond detection in composite/composite bonded joints	Jack Y Weitsman	SEA WATER EFFECTS ON POLYMERIC COMPOSITES-A COMPARATIVE STUDY	Hitoshi Takagi	Fabrication and characterization of cellulosic nanofiber reinforced composites
15:00 15:10	Uday K. Vaidya	PROCESSING AND CHARACTERIZATION OF NANOSTRUCTURED CARBON/CARBON COMPOSITES		Shunichi Kobayashi	DISTRIBUTED STRAIN SENSING FOR COMPOSITES BY EMBEDDED FBG SENSORS	Johnny Jakobsen	New Crack Stopper Concept for Sandwich Structures	Shoko Toyoyama	HYGROTHERMAL PROPERTY OF JUTE-POLYESTER COMPOSITES
15:20 15:30	Seiichi Nomura	EFFECTIVE THERMAL PROPERTIES OF CNT COMPOSITES USING A THREE-PHASE MODEL		Hajime Takeya	Highly Reliable Advanced Grid Structure Demonstrator	Michelle S. Hoo Fatt	IMPACT PERFORATION OF COMPOSITE SANDWICH PANELS	Hiromi Yamamoto	Compression molding of paper using twisted paper yarn as reinforcement
15:40 15:50	Witchuda Daud	Nanocomposite matrix for improved fiber reinforced composites properties		Masataro Amano	Various Damage Detection in Advanced Grid Structure by Monitoring of Guided Waves with Embedded Fiber Bragg Grating Sensors	Stephane Pattofatto	CHARACTERIZATION OF A THERMOPLASTIC SANDWICH COMPOSITE	Byung S. Kim	IMPROVEMENT OF MECHANICAL PROPERTIES FOR JUTE FIBER/PP COMPOSITES BY MALEIC ANHYDRIDE COUPLER
16:00 16:10 16:20		Coffee Break			Coffee Break		Coffee Break		Coffee Break

Date: Monday Afternoon I

07/7/9 (Mon.)	Event	Specialist Session		General Session		General Session		General Session
Room		Room H		Room I		Room J		Room K
	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 12:00 ---	Registration	Entrance		Entrance		Entrance		Entrance
12:20 -- 13:30		Lunch		Lunch		Lunch		Lunch
13:30 - 14:00	Israel Herszberg	Plenary Lecture 1 (Room A)		←		Mini-Exhibit Hours: Room B-1 (9:00-18:00)		←
14:00- 14:20		Refreshment		Refreshment		Refreshment		Refreshment
	Specialist Session	Metal Matrix Composites	General Session	Effect of Matrix Void on Composite Properties	General Session	Mechanics and Simulation of Composites Processing	General Session	Structural Analysis and Optimization
14:20	Javier Goñi	Last Developments in Novel Production Processes for Metal Matrix Composites	Jacques Cinquin	POROSITY INFLUENCE ON ORGANIC COMPOSITE MATERIAL MECHANICAL PROPERTIES	Véronique Michaud	Capillary phenomena in Liquid Composite Moulding	A. H. Sheikh	A thin-walled composite beam element for open and closed section
14:40								
14:50	Jason S.H. Lo	Designing Multi-functional Properties with Squeeze Cast Hybrid Metal Matrix Composites	Mohamed Suhot	THE EFFECT OF VOIDS ON THE FLEXURAL FATIGUE PERFORMANCE OF UNIDIRECTIONAL CARBON FIBRE COMPOSITES	Patricia Krawczack	THEORETICAL AND EXPERIMENTAL STUDY OF THE IN-PLANE 1D-FLOW OF PARTICLE-FILLED RESIN THROUGH A FIBROUS PREFORM	Laszlo P Kollar	Cross Sectional Properties of Thin Walled Composite Beams
15:00								
15:10	Krishan K. Chawla	Deformation Behavior of Multilayered Metal-Ceramic Nanocomposites	Philippe A. Olivier	CFRP with voids: ultrasonic characterization of localized porosity, acceptance criteria and mechanical characteristics	Kazushi Sekine	Process Simulation of Fiber Reinforced Plastics	Shinya Honda	Design of Composite Plate with Optimally Distributed Short Fibers
15:20								
15:30	Yoshihisa Tanaka	NANO-MECHANICAL CHARACTERIZATION OF DISCONTINUOUSLY REINFORCED TITANIUM COMPOSITE	Herbert Mucha	Approaches to reveal porosity in Phenolic Resin derived CFRP and C/C Composites	Mohamed M. Hattabi	Flow Modeling in Liquid Composite Moulding Processes	Larry Lessard	Improved Globalized Nelder-Mead Method for Optimization of a Composite Bracket
15:40								
15:50	Gen Sasaki	Mechanical Properties of Fe Based Fiber / Aluminum Alloy Composites Fabricated by Low-Pressure Infiltration	Sylvain Pujol	The effects of processing parameters on reactive epoxy adhesives	Zuo Lu	EFFECT OF FABRIC STRUCTURE ON DEFECTS IN COMPOSITE PARTS MANUFACTURED BY RTM	Moo Sun Kim	Structural optimization of composite panels considering the manufacturing process
16:00 16:10 16:20		Coffee Break		Coffee Break		Coffee Break		Coffee Break

Date: Monday Afternoon II

07/7/9 (Mon.)	Event	Specialist Session		Specialist Seesion		Specialst Session		Specialst Session
Room		Room A		Room B-2		Room F		Room G
	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time:						Mini-Exhibit Hours: Room B-1 (9:00-18:00)		
12:00 ---	Registration	Entrance		Entrance		Entrance		Entrance
	Specialist Session	Polymer Nanocomposites for Structural Applications	Specialist Session	Structural Health Monitoring for Composites	Specialist Session	ONR Session - Marine Composites	Specialist Session	Green Composites III (Applications)
16:00 16:10		Coffee Break		Coffee Break		Coffee Break		Coffee Break
16:20 16:30	Merlin Theodore	Characterization of Epon 862 Reinforced with Functionalized MCNT's	Tobias F.Capell	The use of thermal mismatch stresses to detect disbond initiation and propagation in metal/composite bonded joints using a CFBG fibre optical sensor	Gerald Nurick	RESPONSE OF FLEXIBLE SANDWICH PANELS TO BLAST LOADING	Saswata Sahoo	A Comparative Study on Thermosetting Biocomposites
16:40 16:50	Floria Eve Clements	ENHANCING THE STAB RESISTANCE OF FLEXIBLE BODY ARMOR USING FUNCTIONALIZED SIO2 NANOPARTICLES	Mayuko Nishio	Shape Identification using Embedded Distributed Strain Optical Fiber Sensors	Dayakar Penumadu	EFFECT OF SEA ENVIRONMENT ON INTERFACIAL DELAMINATION BEHAVIOR OF SANDWICH LAYUPS	Kenji Murata	Compression Molding of Sandwich Board by Regulating Temperature Distribution in Heating Process
17:00 17:10	Mahesh V. Hosur	Impact Response of Nanophased Polyurethane Foam Core Sandwich Composites	Nicolae S. Constantin	Assessment of local/global structural health monitoring of composite pipes	Maenghyo Cho	A FINITE ELEMENT METHOD BASED ON THE ENHANCED FIRST ORDER SHEAR DEFORMATION THEORY FOR COMPOSITE AND SANDWICH STRUCTURES	Pankaj K. Mallick	Development of Natural Fiber Composite Construction with Imroved Tensile Properties
17:20 17:30	Vijaya K. Rangari	Effect of ultrasound on Tungsten oxide nanoparticles and it's application in epoxy nanocomposites	Mohammed A. Zikry	LOCAL AND GLOBAL MEASUREMENTS OF DYNAMIC DAMAGE EVOLUTION IN WOVEN COMPOSITE SYSTEMS	Emmanuel O Ayorinde	Advanced Acoustic Emission Monitoring of Sub-zero Temperature Dynamic Loading of Marine Composite Materials	Tatsuru Toda	Development of shoe sole for frozen road surface using bamboo fibers containing rubber
17:40 17:50	Renee Rodgers	Tensile Response of SiC-Nanoparticles Reinforced Epoxy Composites at Room and Elevated Temperatures	Ichiya Takahashi	Impact Damage Detection on Scarf-repaired Composites Using Lamb Wave Sensing	Mohammad Mahinfalah	Effect of Gas Plasma Surface Treatment on Spectra 900 and Spectra 1000 Fabric Laminate Composites	Rik Brouwer	Bamboo Composites made by Vacuum Infusion Technique
18:00 18:10	Ram Mohan	Static and Dynamic Loading Behavior of Hybrid Epoxy Composites with Alumina Nanoparticles	Jung-Ryul Lee	HEALTH MONITORING OF WING STRUCTURE BASED ON BUILT-IN TRANSDUCERS AND A PULSE LASER	Miao Wang	Debonding effects in beams treated with active constrained layer damping	Ryusuke Tanaka	DEVELOPMENT OF A PLEASURE BOAT USING BAMBOO FIBER REINFORCED PLASTIC
18:20 18:30 --- 19:00		Break		Break		Break		Break
19:00-- 21:00		Welcome Reception		at Garden and Restaurant "Swan"				

Date: Monday Afternoon II

07/7/9 (Mon.)	Event	Specialist Session		Award Session		General Session		General Session	
Room		Room H		Room I		Room J		Room K	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 12:00 ---							Mini-Exhibit Hours: Room B-1 (9:00-18:00)		
	Registration	Entrance			Entrance		Entrance		Entrance
	Specialist Session	Metal Matrix Composites		Award Selection	Tsai Best Student Paper Award Finalists Session	General Session	Mechanics and Simulation of Composites Processing	General Session	Structural Analysis and Optimization
16:00 16:10		Coffee Break			Coffee Break		Coffee Break		Coffee Break
16:20 16:30	Joachim M. Hausmann (Invited)	AFFORDABLE SIC-FIBRE REINFORCED METAL MATRIX COMPOSITE FOR HIGH TEMPERATURE APPLICATIONS			Explanation of the Selection Procedure	Simon Bickerton	Observations of Stress and Laminate Thickness Variations in LCM Processes	Ryosuke Matsuzaki	Stacking sequence optimization using fractal branch and bound method for asymmetrical composite laminates
16:40 16:50	Sang-Bok Lee	FABRICATION AND MECHANICAL PROPERTIES OF CONTINUOUS FIBER REINFORCED ZR-BASED AMORPHOUS ALLOY COMPOSITES		S. Sequeira Tavares (Region I)	Non-autoclave Processing of Sandwich Structures: the Role of Prepreg Through Thickness Air Permeability	Woong-Ryeol Yu	OPTIMUM CONSOLIDATION OF SELF-REINFORCING COMPOSITE AND ITS TIME DEPENDENT DEFORMATION	Jose E. Herencia	Optimisation of anisotropic plates that vary in thicknesses and properties
17:00 17:10	Yaw-Chuan Lee	Experimental Characterization of Torsional Behaviour of TiMMC Tube		Lucio Raimondo (Region I)	Predicting the dynamic behaviour of polymer composites	Andrew Lon	Residual Stress in Fibre-Reinforced Polymer Composites	Daisuke Narita	VIBRATION OPTIMIZATION OF LAMINATED SHALLOW SHELLS WITH NON-UNIFORM CURVAUTRE
17:20 17:30	Yoshimi Watanabe	BENDING STRENGTH OF Fe-Mn-Si-Cr SHAPE MEMORY ALLOY MACHINING CHIPS REINFORCED SMART COMPOSITE		Shu Minakuchi (Region II)	BARELY VISIBLE IMPACT DAMAGE DETECTION IN SANDWICH STRUCTURES USING NON-UNIFORM STRAIN ALONG OPTICAL FIBER SENSORS	Masahiro Kotani	QUANTITATIVE EVALUATION OF CURING SHRINKAGE IN POLYMERIC MATRIX COMPOSITES	Adriana W. Blom	Optimization of Tow-Placed, Tailored Composite Laminates
17:40 17:50	Tachai Luang-varanunt	FABRICATION OF AL/AL2O3 COMPOSITE BY POWDER FORGING OF ALUMINUM POWDER AND MANGANESE OXIDE POWDER		Peng-Cheng Ma (Region II)	Silane Functionalization of Carbon Nanotubes (CNT) and its Effects on the Properties of CNT/Epoxy Nanocomposites	Boris Larin	ORIENTATED CRYSTALLIZATION IN DISCONTINUOUS ARAMID FIBER/ISOTACTIC POLYPROPYLENE COMPOSITES UNDER SHEAR FLOW CONDITIONS	Meng-Kao Yeh	OPTIMUM STRUCTURAL DESIGN OF COMPOSITE XYLOPHONE BARS
18:00 18:10	Ivi Smid	THERMAL PROPERTIES OF THE DIAMOND-COPPER INTERFACE IN METAL-MATRIX-COMPOSITES		Myounggu Park (Region III)	Strain-Dependent Electrical Properties of a Conductive MWCNT/PEO Composite Film		Break		Break
18:20 18:30	Michal Besterci	The Fracture Mechanism of Al-Al4C3 System by “in-situ tensile test in SEM		Philip D. Bradford (Region III)	Fabrication and Properties of Multifunctional, Carbon Nanotube Reinforced, 3-D Textile Composites				
18:40 --- 19:00		Break			Break				
19:00-- 21:00		Welcome Reception			at Garden and Restaurant "Swan"				

Date: Tuesday Morning

07/7/10 (Tue.)	Event	Plenary & Specialist Session		Specialist Seesion		Specialst Session		Specialst Session	
Room		Room A		Room B-2		Room F		Room G	
Time:	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
7:30 ---	Registration	Entrance			Entrance		Entrance		Entrance
		Plenary Lecture 2							
8:30 -- 9:00	Yapa D. S. Rajapakse	Recent Advances in Marine Composites Research			←		Mini-Exhibit Hours: Room B-1 (9:00-18:00)		←
9:00-9:20		Break			Break		Break		Break
	Specialist Session	Technology Frontier in Nanocomposites		Specialist Session	Structural Health Monitoring for Composites	Specialist Session	ONR Session - Dynamic Failure	Specialist Session	Biodegradable and Biocomposite Materials
9:20	Tsu-Wei Chou	CARBON NANOTUBE - BASED COMPOSITES FOR DAMAGE DETECTION AND HEALTH MONITORING		Jose M. Menendez	SENSING WITH EMBEDDED FIBER BRAGG GRATINGS IN EXTREME MECHANICAL CONDITIONS	Guruswami Ravichandran	DYNAMIC BEHAVIOR OF FIBER REINFORCED COMPOSITES UNDER MULTIAXIAL COMPRESSION	K. T. Lau	Recent Development on Bio-composites Research
9:40	(Keynote)			(Keynote)		Liqun Xing	PROGRESSIVE DAMAGE MODELLING FOR DYNAMIC LOADING OF COMPOSITE STRUCTURES	(Keynote)	
9:50	Pascal Hubert	CARBON NANOTUBE COMPOSITE MICROACTUATORS: DESIGN AND CHARACTERIZATION		Shinji Komatsu-zaki	Embedded FBG sensors and AWG-based wavelength interrogator for health monitoring of composite materials	Magnus E Burman	STRAIN RATE EFFECTS IN GLASS FIBRE COMPOSITES	Manuel Buehler	Cellular and fibre-reinforced Composites for bone tissue Engineering
10:00									
10:10	Namiko Yamamoto	Multifunctional Characterization of Aligned CNT-Reinforced Hybrid Composites		Hideki Soejima	Experimental investigation of impact damage detection for CFRP structure by lamb wave sensing using FBG/PZT hybrid system	Dahsin Liu	Dynamic Failure and Energy Absorption of Composite Materials with Topological Control	Sung-Hoon Ahn	FABRICATION OF BIODEGRADABLE DRUG DELIVERY SYSTEM USING NANO COMPOSITE DEPOSITION SYSTEM
10:20									
10:30	Yeonhee Jung	Thermal vibration effect of nanocomposite beam		Yoji Okabe	Debonding Detection in CFRP Bonded Structures Using Propagation Properties of Lamb Waves		Coffee Break	Mingchun Li	MISCIBILITY AND BIOCOMPATIBILITY OF O,O-DILAUROYL CHITOSAN/PLLA COMPOSITES
10:40									
10:50		Coffee Break			Coffee Break				Coffee Break
11:00						Carlos Navarro	Impact behaviour of composite panels subjected to in-plane load		
11:10	Ryszard Pyrz	Modelling Polymer Nanocomposites with Functional Nanowires		Sang-Oh Park	MONITORING OF HIGH FREQUENCY VIBRATION SIGNAL USING FBG DEMODULATION			Tetsuo Takayama	EFFECT OF NANO- AND MICRO-PARTICLES ON FRACTURE CHARACTERISTIC OF HA/PLLA COMPOSITES
11:20						Israel Herszberg	IMPACT DAMAGE TOLERANCE OF TENSION LOADED BONDED SCARF REPAIRS TO CFRP LAMINATES		
11:30	Fei Deng	INVESTIGATION OF THE DEFORMATION MECHANICS IN CARBON NANOTUBES-POLYMER COMPOSITES AT MICROSCOPIC AND ATOMISTIC LEVEL		Takashi Yari	Enhancement of BOCDA System for Airplane Structural Health Monitoring			Julasak Juntaro	Bacterial cellulose grafting - a boost to plant fibre-polymer matrix adhesion in green composites
11:40						Shane D Bartus	Near-simultaneous and sequential multi-site impact response of S-2 glass/epoxy laminates		
11:50	In-Hwan Do	EFFECT OF DISPERSANTS AND SIZE OF GRAPHITE NANOPLATELETS ON THEIR COMPOSITE PROPERTIES		Antonio Fernández-L	DAMAGE DETECTION IN A STIFFENED CURVED PLATE BY MEASURING THE DIFFERENTIAL STRAINS			Mitsugu Todo	Fracture characterization of biodegradable PLLA polymer blends
12:00						Kunigal N Shivakumar	Analytical Simulation of Shock Tests on Polyurea Coated Composite Panels		
12:10	Wen-Shyong Kuo	MICROSTRUCTURES AND MECHANICAL PROPERTIES OF NANO-FLAKE GRAPHITE COMPOSITES		Francis Collombert	ON THE USE OF OPTICAL FIBRES WITH BRAGG GRATINGS FOR THE IDENTIFICATION OF PROCESS-PROPERTIES RELATIONS OF COMPOSITE STRUCTURES			Akihisa Okada	Evaluation of Mechanical Properties in Biodegradable Composites Reinforced with a Natural Fiber
12:20							Lunch (Restaurant Sakura)		
12:30		Lunch (Restaurant Sakura)			Lunch (Restaurant Sakura)				Lunch (Restaurant Sakura)
12:50									

Date: Tuesday Morning

07/7/10 (Tue.)	Event	Specialist Session		General Seesion		General Session		General Session	
Room		Room H		Room I		Room J		Room K	
Time:	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
7:30 ---	Registration	Entrance			Entrance		Entrance		Entrance
		Plenary Lecture 2							
8:30 -- 9:00	Yapa D. S. Rajapakse	(Room A)			←		Mini-Exhibit Hours: Room B-1 (9:00-18:00)		←
9:00-9:20		Break			Break		Break		Break
	Specialist Session	Damage Tolerance, Impact and Compression after Impact Behavior		General Session	Mechanics of Short Fiber Composites	General Session	Mechanics and Simulation of Composites Processing	General Session	Mechanics of Textile Composites
9:20	Robert L. Sierakowski	DAMAGE TOLERANCE ISSUES FOR COMPOSITE MATERIALS		Lee T. Harper	A random fibre network model for predicting the stochastic effects of discontinuous fibre composites	Ovul Ozgu Ozsoy	NUMERICAL INVESTIGATION OF TOOL-PART INTERACTIONS IN COMPOSITES MANUFACTURING	John D. Whitcomb	EFFECT OF DAMAGE AND PLASTICITY ON STRESS DISTRIBUTION AND LOAD FLOW IN TEXTILE COMPOSITES
9:40	(Keynote)			Evgeny V. Morozov	Damage evolution in the short fibre reinforced composite structures	Ylva R. Larberg	In-plane properties of cross-plied unidirectional prepreg	Risa Tanaka	FEM Simulation of Failure Process of Woven CF/Epoxy Laminates
9:50	Olesya I Zhupanska	LOW VELOCITY IMPACT OF ELECTRIFIED CARBON FIBER POLYMER MATRIX COMPOSITES							
10:00				Pierre Dumont	Characterization of the fibrous microstructure of SMC during compression moulding using X-ray microtomography	Mohammad Tahay Abadi	FINITE ELEMENT MODEL FOR FORMING PROCESS OF THERMOPLASTIC COMPOSITE SHELLS	Hiroaki Nakai	Individual Modeling of Composite Materials with Superposition Method under Periodic Boundary Condition
10:10	Opukuro S. David-West	A STUDY OF REPEATED IMPACT LOADING ON A SYMMETRICAL CARBON FIBRE LAMINATE							
10:20				Ana Rodriguez	VISCOELASTIC BEHAVIOUR OF SHORT-FIBRE REINFORCED POLYAMIDE WITH DAMAGE	Fuhong Dai	A THREE-DIMENSIONAL FINITE ELEMENT ANALYSIS OF PROCESS-INDUCED RESIDUAL STRESS IN RESIN TRANSFER MOLDING PROCESS	Wout Ruijter	EFFECTS OF VARIABLE FIBRE PACKING DENSITY ON MECHANICAL PROPERTIES OF A PLAIN WEAVE REINFORCED POLYESTER COMPOSITE
10:30	Akinori Yoshimura	CHARACTERIZATION OF OUT-OF-PLANE IMPACT DAMAGE IN STITCHED CFRP LAMINATES							
10:40					Coffee Break		Coffee Break		Coffee Break
10:50		Coffee Break		General Session	Design, Fabrication and Analysis of Composite Pressure Vessels				
11:00				Sotiris Koussios	Manufacturability of Composite Pressure Vessels: Application of Non-Geodesic Winding	Harald Bersee	Diaphragm forming of thermoset composites: analysis of diaphragm deformation	Tomohiko Sugie	OVSERVATION OF INTERFACIAL FRACTURE IN CF/GF MULTI-AXIAL WARP KNITTED FABRIC COMPOSITE MATERIALS SUBJECTED IMPACT LOAD
11:10	Sandor Becz	Analysis of Barely Visible Impact Damage for Aerospace Structures							
11:20				Adriaan Beukers	Composite Pressure Vessel Design: Integral Determination of Winding Patterns	Giovanni F Nino	Influence of fiber orientation on mechanical performance for thermoformed composites	Leif Erik Asp	LOCAL MODELS FOR NCF COMPOSITE MATERIALS MECHANICAL PERFORMANCE PREDICTION
11:30	Alex B Harman	Damage tolerance and impact resistance of composite scarf joints							
11:40				Yoshitaka Sakata	A numerical reliability design method of winding vessels based on damage mechanics	Ahmad Alhajahmad	DESIGN TAILORING FOR PRESSURE PILLOWING USING TOW-PLACED STEERED FIBERS	Katleen Vallons	Fatigue and post-fatigue behaviour of carbon fibre non crimp fabric composites
11:50	Robin Olsson	Experimental Validation of Delamination Criterion for Small Mass Impact							
12:00				Lei Zu	Pattern Design for Non-geodesic Winding Toroidal Pressure Vessels		Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)
12:10	Jifeng Xu	MODELING HAIL IMPACT DAMAGE AND RESIDUAL STRENGTH IN COMPOSITE STRUCTURES							
12:20					Lunch (Restaurant Sakura)				
12:30		Lunch (Restaurant Sakura)							
12:50									

Date: Tuesday Afternoon I

Tea Ceremony: at Hosho-an (13:00-17:00, 4 rounds, Each round runs for an hour.)

07/7/10 (Tue.)	Event	Plenary & Specialist Session		Specialist Seesion		Specialst Session		Specialst Session	
Room		Room A		Room B-2		Room F		Room G	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 12:00 ---	Registration	Entrance			Entrance		Entrance		Entrance
12:20 -- 13:30		Lunch			Lunch		Lunch		Lunch
13:30 - 14:00	C.T. Sun	Plenary Lecture 3 CHALLENGES AND OPPORTUNITIES IN NANOCOMPOSITES		←			Mini-Exhibit Hours: Room B-1 (9:00-18:00)	←	
14:00-14:20		Refreshment			Refreshment		Refreshment		Refreshment
	Specialist Session	Technology Frontier in Nanocomposites		Specialist Session	Composites Testing and Model Identification	Specialist Session	ONR Session - Dynamic Failure	Specialist Session	Biodegradable and Biocomposite Materials
14:20	Yuris Dzenis	PROGRESS ON NOVEL CONTINUOUS NANOFIBERS AND ADVANCED STRUCTURAL NANOCOMPOSITES		Robert J Young	FULL-FIELD ANALYSIS OF FIBRE DEFORMATION AND MODEL VERIFICATION IN WOVEN COMPOSITES	Roberta Massabo	INFLUENCE OF LARGE SCALE CRACK WAKE MECHANISMS ON THE DYNAMIC FRACTURE OF MULTIPLY DELAMINATED BEAMS	Karen H.Y. Cheung	Study on a Silkworm Silk Fiber/Biodegradable Polymer Biocomposite
14:40	(Keynote)			(Keynote)		RAJU P. MANTENA	DYNAMIC RESPONSE AND MOLECULAR SIMULATIONS OF NANO-COMPOSITES	Donghwan Cho	EFFECT OF COUPLING AGENTS OF THE INTERFACIAL STRENGTH AND MECHANICAL PROPERTIES OF KENAF/POLYMER COMPOSITES
14:50	Luis Zalamea	STRESS TRANSFER EFFICIENCY ON CARBON NANOTUBE BASED ROPES		Janice M. Dulieu-Barton	STRESS ANALYSIS OF BONDED JOINTS IN PULTRUDED GRP COMPONENTS				
15:00						Hyonny Kim	IMPACT DAMAGE RESISTANCE OF COMPOSITE PANELS IMPACTED BY COTTON-FILLED AND UNFILLED ICE	Yoshihito Ozawa	MECHANICAL CHARACTERISTICS OF BACTERIAL CELLULOSE COMPOSITE MATERIALS
15:10	Enrique J. Garcia	ALIGNED CARBON NANOTUBE REINFORCEMENT OF GRAPHITE/EPOXY PLY INTERFACES		David H. Mollenhauer	Analysis and Measurement of Scarf-Lap and Step-Lap Joint Repair in Composite Laminates				
15:20						Liviu Librescu (Late)	Hydroelastic Response of Slender Composite Hulls Subjected to Slamming Impact	Martin C. Hawley	Characterization Of Natural Fiber Surfaces
15:30	Xiannian Sun	ON THE EFFECT OF LONG CARBON NANOTUBES ON MODE I DELAMINATION TOUGHNESS OF LAMINATED COMPOSITES		Stepan V. Lomov	PECULIARITIES OF DAMAGE BEHAVIOUR OF NCF CARBON/EPOXY LAMINATES UNDER TENSION				
15:40							Commemoration Ceremony of Late Professor Liviu Librescu	Stephen J. Eichhorn	DEFORMATION MICROMECHANICS OF CELLULOSE FIBRE BASED MODEL COMPOSITES
15:50									
16:00	Robert J Young	COMPOSITE NANOFIBERS CONTAINING ISOLATED AND ALIGNED SINGLE WALL CARBON NANOTUBES		Didier BAPTISTE	IDENTIFICATION OF THE MECHANICAL PROPERTIES OF THE INTERPHASE IN A COMPOSITE MATERIAL BY MEASUREMENTS OF KINEMATICS FIELDS.		Coffee Break		Coffee Break
16:10 16:20		Coffee Break			Coffee Break				

Date: Tuesday Afternoon I

Tea Ceremony: at Hosho-an (13:00-17:00, 4 rounds, Each round is for 25 people.)

07/7/10 (Tue.)	Event	Specialist Session		General Session		General Session		General Session
Room		Room H		Room I		Room J		Room K
	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 12:00 ---	Registration	Entrance		Entrance		Entrance		Entrance
12:20 -- 13:30		Lunch		Lunch		Lunch		Lunch
		Plenary Lecture 3						
13:30 - 14:00	C.T. Sun	(Room A)		←		Mini-Exhibit Hours: Room B-1 (9:00-18:00)		←
14:00- 14:20		Refreshment		Refreshment		Refreshment		Refreshment
	Specialist Session	Damage Tolerance, Impact and Compression after Impact Behavior	General Session	Design, Fabrication and Analysis of Composite Pressure Vessels	General Session	Damage Detection by Mechanical Methods	General Session	Mechanics of Textile Composites
14:20	Andrew D. Foreman	AN INTEGRATED SYSTEM FOR IMPROVED DAMAGE RESISTANCE AND LIGHTNING STRIKE PROTECTION IN COMPOSITE STRUCTURES	Jan-Jaap Koppert	Virtual Testing Of Dry Filament Wound Thick Walled Pressure Vessels	Tadahiro Mitsuhashi	Development of damage monitoring system using directional transducers in thin plates	Julie J.E. Teuwen	Effect of fibre textile reinforcement on anionic polyamide-6 composite properties
14:40 14:50	Hiroshi Kondo	Residual indentation,delamination area and CAI strength of CFRP laminates under low-velocity impact	Pavel Y. Tabakov	The effect of manufacturing tolerances on the optimal design of anisotropic pressure vessels.	Masanori Tajima	Experimental impact force identification of CFRP stiffened panels	Xiao-ming Liu	NOVEL SEMI-RIGID NET STRUCTURE COMPOSITE-MANUFACTURING AND PROPERTY ANALYSIS
15:00 15:10	Hiroshi Suemasu	COMPRESSIVE BEHAVIOR OF IMPACT DAMAGED COMPOSITE LAMINATES	Abel Cherevatsky	AN INFLUENCE OF SEGMENTED MANDREL ON STRENGTH PROPERTIES OF WOUND MOTOR CASE	Michele Meo	Development of a single mode nonlinear acoustic resonance method for the detection of delamination due to low velocity impact.	Ahmet R. Torun	Spacer fabrics from hybrid yarn with fabric structures as spacer
15:20 15:30	Richard Butler	Compressive Strength of Impact Damaged Laminates	Joao Pedro Gil Nunes	STUDYING THE PRODUCTION OF FILAMENT WOUND COMPOSITE PRESSURE VESSELS	Viktor E Verijenko	Glass fiber reinforced plastic laminate with self damaged assessment capability	Maik Gude	EFFECT OF ADHESIVE SYSTEMS IN THE TEXTILE PREFORMING PROCESS ON THE STATIC AND DYNAMIC INTER LAMINAR SHEAR STRENGTH OF TEXTILE REINFORCED COMPOSITES
15:40 15:50	Yuichiro Aoki	EFFECTS OF WATER ABSORPTION AND TEMPERATURE ON COMPRESSION AFTER IMPACT (CAI) STRENGTH OF CFRP LAMINATES		Coffee Break		Coffee Break	Ajit D Kelkar	FATIGUE BEHAVIOR OF 45 DEGREES FIBERGLASS BRAIDED COMPOSITES
16:00 16:20		Coffee Break						Coffee Break

Date: Tuesday Afternoon II

Tea Ceremony: at Hosho-an (13:00-17:00, 4 rounds, Each round runs for an hour.)

07/7/10 (Tue.)	Event	Specialist Session		Specialist Seesion		Specialst Session		Specialst Session	
Room		Room A		Room B-2		Room F		Room G	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time:							Mini-Exhibit Hours: Room B-1 (9:00-18:00)		
12:00 ---	Registration	Entrance			Entrance		Entrance		Entrance
	Specialist Session	Technology Frontier in Nanocomposites		Specialist Session	Composites Testing and Model Identification	Specialist Session	ONR Session - Dynamic Failure	Specialist Session	Biodegradable and Biocomposite Materials
16:10		Coffee Break			Coffee Break		Coffee Break		Coffee Break
16:20						Serge Abrate	Ballistic impacts on composite plates	Bob Ursem	Self healing with lignified bio-fibers and fillings
16:30	Youqi Wang	Electrospinning:Shape and Alignment Control		Michael R. Wisnom	SPECIMEN SIZE EFFECTS ON THE NOTCHED STRENGTH OF COMPOSITE LAMINATES LOADED IN TENSION				
16:40						Peter H Bull	Multiple layer composite plates in ballistic applications - a parametric study	Bo Madsen	Volumetric interaction model in natural fiber composites - a concept to be used in fabrication, process optimization and design of composites
16:50	Seung-Hwan Lee	Rheological Properties and Melt-spun Fiber Characteristics of Polymeric Nanocomposites		Constantinos Soutis	Specimen size effects on notch sensitivity of composite laminates loaded in compression				
17:00						Jørgen A. Kepler	SENSITIVITY OF STRUCTURALLY LOADED SANDWICH PANELS TO LOCALIZED BALLISTIC PENETRATION	Masahiro Funabashi	BIOBASED CONTENT OF BIODEGRADABLE POLY(LACTIC ACID) COMPOSITES DIRECTLY MOLDED BY ALMINUM TRIFLATE WITH CELLULOSE AND INORGANIC FILLERS
17:10	Josef Z. Kovacs	VISUALIZING CARBON NANOTUBES INSIDE POLYMER COMPOSITES BY SCANNING ELECTRON MICROSCOPY		Pedro P Camanho	SIZE EFFECTS ON THE STRENGTH OF NOTCHED COMPOSITES				
17:20						A. H. Sheikh	A simple shell model for simulation of localized impact on GFRP laminates	Aart W. van Vuure	Silk fibre composites
17:30	Chen-Chi M. Ma	PREPARATION, MORPHOLOGY AND PROPERTIES OF FREE RADICAL MODIFIED MWCNT/POLYIMIDE NANOCOMPOSITE		Silvestre T. Pinho	A Smeared Crack Model for Simulating Damage in Laminated Composites				
17:40						Antonio F. Avila	An Investagion on NanoComposites Behavior under Ballistic Impact	Benoit J.-C. Z. Duchemin	Phase characterisation of all-cellulose composites
17:50	Alexander M. Fainleib	SYNTHESIS AND STRUCTURE-PROPERTIES RELATIONSHIP FOR NANOCOMPOSITES BASED ON THERMOSTABLE POLYCYANURATE NETWORK AND MONTMORILLONITE		Abdul Rahim A Arafath	Modelling Process-Induced Deformations in Composite Structures using Higher Order Elements				
18:00						Fabrizio Ricci	AN IMPROVED HEALTH MONITORING SYSTEM FOR THE DETECTION OF IMPACT DAMAGE IN COMPOSITE STRUCTURES	Frank K Ko	CARBON NANOTUBE REINFORCED BOMBYX MORI SILK AS A BIOCOMPOSITE MATERIAL FOR TISSUE ENGINEERING APPLICATIONS
18:10	Julian Y.H. Chia	MODELLING CLAY GALLERY FAILURE IN CLAY NANOCOMPOSITES		Felicity J. Guild	Matrix Cracking in CFRP Laminates				
18:20						Aleksander Muc	OPTIMAL VIBRATION CONTROL OF SMART LAMINATED STRUCTURES	Mark P Staiger	BACTERIAL CELLULOSE NETWORKS FOR REINFORCEMENT OF POLYLACTIDE
18:30	Donghyun Kim	SUPERHYDROPHOBIC NANO/MICRO STRUCTURES BASED ON NANOHONEYCOMB		Frank R Jones	Influence of matrix cracks on stress transfer between glass fibres and epoxy resin using photoelasticity				
18:40							Adjournment		Adjournment
18:50		Adjournment			Adjournment				

Date: Tuesday Afternoon II

Tea Ceremony: at Hosho-an (13:00-17:00, 4 rounds, Each round is for 25 people.)

07/7/10 (Tue.)	Event	Specialist Session		General Session		General Session		General Session	
Room		Room H		Room I		Room J		Room K	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 12:00 ---							Mini-Exhibit Hours: Room B-1 (9:00-18:00)		
	Registration	Entrance			Entrance		Entrance		Entrance
	Specialist Session	Damage Tolerance, Impact and Compression after Impact Behavior		General Session	Baseline Technology of Cryogenic Composite Tank	General Session	Low-Cost Fabrication Technology of Aircraft and Other Composite Components	General Session	Processing Mechanics and Properties of Textile Composites
16:10		Coffee Break			Coffee Break		Coffee Break		Coffee Break
16:20	Nobuhide Uda	Compression Fatigue Failure of CFRP Laminates with Impact Damage		Hisashi Kumazawa	NUMERICAL MODELING OF GAS LEAKAGE THROUGH DAMAGED COMPOSITE LAMINATES	Yoshiyasu Hirano	AN INVESTIGATION ON SPRING-IN BEHAVIOR OF Va-RTM COMPOSITE WING STRUCTURE	Prasad Potluri	Biaxial Shear Testing of Textile Preforms for Formability Analysis
16:30									
16:40	Kazumi Hirano	COMPARISONS OF DAMAGE TOLERANCE BETWEEN POST-IMPACT FATIGUE AND OPEN-HOLE FATIGUE FOR HIGH TEMPERATURE POLYMER MATRIX COMPOSITES		Yohei Noji	Mechanical properties of new β-Ti alloy/CFRP bonded structure at cryogenic temperatures	Sunao Sugimoto	A STUDY ON NONDESTRUCTIVE INSPECTION FOR VARTM COMPOSITE WING STRUCTURE	Yutaka Arimitsu	Modeling of Harness Satin Weave Using Finite Element Method
16:50									
17:00	Takeshi Takatoya	COMPRESSION AFTER IMPACT PROPERTIES OF HYBRID COMPOSITE MATERIALS		Norio Arai	Mechanical properties of CFRP/Ti-alloy laminated composites	Duncan A. Crump	Manufacturing options for secondary aircraft CFRP sandwich components	Rajcoomar B Ramgulam	A Differential Geometry Aproach to Forming Simulation of Biaxial Preforms
17:10									
17:20	Adrian F. Gill	Measurement of damage progression in open hole tension tests		Ryohei Maruyama	FRACTURE TOUGHNESS EVALUATION OF COMPOSITE/METAL ADHESIVE STRUCTURE IN CRYOGENIC ENVIRONMENT	Takeshi Tanamura	DEVELOPMENT OF CONTINUOUS CURVED COMPOSITE STRUCTURE MANUFACTURING TECHNOLOGY	Philip Harrison	CHARACTERISING AND MODELLING TOOL-PLY FRICTION OF VISCOUS TEXTILE COMPOSITES
17:30									
17:40	Julien Rion	Damage analysis of ultralight composite sandwich structures		Adjournment		Julian O'Flynn	Coupled design of a helicopter part and mould for resin transfer moulding	Akiko Odawara	PROCESSING AND MECHANICAL PROPERTIES OF TEXTILE INSERT FOAMED INJECTION MOLDING
17:50									
18:00	Shi-dong Pan	INVESTIGATION OF FAILURE BEHAVIOR IN HONEYCOMB SANDWICH PANEL CONTAINING INTERFACIAL DEBONDING				Rene Arbter	Optimisation of Resin Transfer Molding Processes using Simulations coupled with Evolutionary Algorithms	Akio Ohtani	EFFECT OF INTERNAL STRUCTURE ON MECHANICAL PROPERTIES OF BRAIDED COMPOSITE TUBES
18:10									
18:20	Mohammad Reza Khoshravan	Numerical Modeling of Delamination in Woven Composites				Adjournment		Adjournment	
18:30									
18:40		Adjournment							

Date: Wednesday Morning

07/7/11 (Wed.)	Event	Plenary & General Session		Specialist Seesion		Specialst Session		Specialst Session	
Room		Room A		Room B-2		Room F		Room G	
Time:	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
7:30 ---	Registration	Entrance			Entrance		Entrance		Entrance
		Plenary Lecture 4							
8:30 -- 9:00	Richard A. Pethrick (Presented by William M Banks)	Non Destructive Examination of Composite Structures - Dielectric Examination			←		Mini-Exhibit Hours: Room B-1 (9:00-18:00)		←
9:00-9:20		Break			Break		Break		Break
	General Session	Processing of Nanoclay/Nanosilica Composites		Specialist Session	Composites Testing and Model Identification	Specialist Session	ONR Session - Durability	Specialist Session	Innovation & Sustainability of Infrastructure with High Performance Composites
9:20	Shao-Yun Fu	PREPARATION AND OPTICAL PROPERTIES OF ZnO-QD/SiO2/EPOXY NANOCOMOSITES		Florian Gehrig	AN APPROACH TO MINIMIZE INHOMOGENEOUS STRESS DISTRIBUTION IN COMPRESSION TESTING OF CFRP	Richard M. Christensen	Deterministic and Probabilistic Lifetimes from Kinetic Crack Growth - Generalized Forms	Zhishen Wu	FRP-steel-concrete hybrid member using wet-bonding technique
9:40	Nabil Abacha	PERFORMANCE UNDER CORROSIVE ENVIRONMENT OF NYLON6/POLYPROPYLENE/ORGANOCLAY NANOCOMPOSITES		Jasween Dogra	Development of a Compression Test for Thick Composite Laminates: Finite Element Analysis	Masayuki Nakada	Accelerated Testing for Long-term Durability of Various FRP Laminates for Marine Use	(Keynote)	
9:50								Kentaro Iwashita	Experimental study on control index of stress drop for designing hybrid FRP sheets
10:00	Azima Latif Saad	Preparation and Properties of Poly(vinyl chloride) /Layered Silicate Nanocomposites		Gang Zhou	Investigation of In-plane Compressive Behaviour in Composite Honeycomb Sandwich Panels	Junji Noda	FORMULATION OF TIME-TEMPERATURE DEPENDENT LONG-TERM FATIGUE STRENGTH OF CFRP LAMINATES		
10:10								Vistasp M Karbhari	
10:20	Chin-Hsing Chen	PMMA/MONTMORILLONITE NANOCOMPOSITES BY BULK POLYMERIZATION: MECHANICAL AND THERMAL PROPERTIES		Yusuke Suganuma	APPLICABILITY OF COMPRESSION BENDING TEST TO MEASURE COMPRESSIVE FAILURE STRAIN	Hiroshi Saito	Evaluation of Damage Propagation of Marine Composites Under Post-Impact Fatigue		Progressive Failure and Rehabilitation of RC Deck Systems With Composites
10:30								(Keynote)	
10:40		Coffee Break			Coffee Break		Coffee Break		Coffee Break
10:50									
11:00	Yuka Kobayashi	Mechanical and Thermal Properties of Micro- and Nano-Silica-filled PMMA Micro Injection Moldings		Niklas L Melin	SENSITIVITY TO SPECIMEN IMPERFECTIONS OF THE IOISIPESCU SHEAR TESTS FOR COMPOSITE LAMINATES	Ozden O Ochoa	FATIGUE DAMAGE AND LIFE OF A COMPOSITE PRODUCTION RISER	Stephanie L. Svetlik	A Mechanical Analysis of E-Glass/Vinyl Ester in Hot Humid Environments
11:10									
11:20	Suong Van Hoa	Effect of shearing on dispersion, intercalation/exfoliation of clay in epoxy		Jonas M Neumeister	SPECIMEN CLAMPING AND PERFORMANCE OF THE IOISIPESCU SHEAR TESTS APPLIED FOR COMPOSITE MATERIALS	Jason J Cain	R-RATIO EFFECTS ON GLASS REINFORCED POLYMER COMPOSITE LIFE AND REMAINING STRENGTH	Francis P Hampton	Earthquake Resistance of Concrete Columns Reinforced with Ductile-Hybrid Fiber Reinforced Polymer (DHFRP)
11:30									
11:40	J. Daniel D. Melo	Processing of Polymer Matrix Nanocomposites Using a High Energy Mill		Brian G. Falzon	MEASUREMENT OF FIBRE FRACTURE TOUGHNESS USING AN ALTERNATIVE SPECIMEN GEOMETRY	Richard Speckart	RECENT ADVANCES IN GLASS/VINYL ESTER COMPOSITE DURABILITY CHARACTERIZATION FOR NAVY APPLICATIONS	Carlos Alberto Cimini	GFRP APPLIED TO CAPACITOR BANK STRUCTURES OF ELECTRIC ENERGY SUBSTATIONS
11:50									
12:00	Christopher J.G. Plummer	Glass fiber reinforced polypropylene nanocomposites		Eiichi Hara	STUDY OF DIRECT OUT-OF-PLANE TENSILE TEST METHOD FOR CFRP LAMINATES	Selvum Pillay	The durability of liquid molded carbon nylon 6 composite laminates, exposed to an aggressive moisture environment.	Karim BENZARTI	Durability of adhesively bonded joints: a predictive model coupling bulk and interfacial damage mechanisms
12:10									
12:20		Lunch (Restaurant Sakura)			Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)

Date: Wednesday Morning

07/7/11 (Wed.)	Event	Specialist Session		General and Specialist Seesion		General Session		General Session	
Room		Room H		Room I		Room J		Room K	
Time:	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
7:30 ---	Registration	Entrance			Entrance		Entrance		Entrance
		Plenary Lecture 4							
8:30 -- 9:00	Richard A. Pethrick	(Room A)			←		Mini-Exhibit Hours: Room B-1 (9:00-18:00)		←
9:00-9:20		Break			Break		Break		Break
	Specialist Session	Carbon-Carbon Composites and Ceramic Matrix Composites		General Session	Mechanics of Matrix Crack and Other Damage	General Session	Simulation and Design of Aircraft Composite Structures	General Session	Mechanics of Sandwich Structures
9:20	Mohamed S. Aly-Hassan	NOVEL HEAT-DIRECTED CARBON/CARBON COMPOSITES USING HYBRID CARBON FIBERS		Jian Yang	STRESS TRANSFER IN CROSS-PLY LAMINATES WITH TRANSVERSE MATRIX CRACKS	Emilio V. Gonzalez	COMPOSITE SKIN-STIFFENER VIRTUAL TESTING	Hyunbum Park	ADHESION PROPERTIES INVESTIGATION OF SANDWICH COMPOSITE STRUCTURE WITH SURFACE TREATEMENT OF AA 5052 SKIN
9:40	Hiroshi Ohkita	Tensile strength and creep behavior of carbon-carbon composites at elevated temperatures		Sam Kaddour	MULTI-AXIAL NOTCHED STRENGTH ENVELOPES FOR AEROSPACE COMPOSITE LAMINATES	Go Matsubara	FAILURE STRENGTH PREDICTION FOR CFRP STIFFENED PANEL	Aleksander Muc	FAILURE MODES OF SANDWICH STRUCTURES WITH FRP FACES ? THEORY VS EXPERIMENTS
9:50									
10:00	Jun Koyanagi	TENSILE STRENGTH OF C/C COMPOSITES		Shuguang Li	Reduction of transverse shear stiffnesses of transversely cracked laminates	Soo-Hyun Kim	Postbuckling Analysis and Optimization of Composite Stiffened Panel Considering Skin-Stiffener Debonding	Maizlinda Izwana Idris	Contact Damage Response of Carbon Fibre Skin/Closed-Cell Aluminium Foam Sandwich Composites
10:10									
10:20	Takahiro Norikiyo	Influences of heat treatment temperatures on tensile behavior of UD-C/C composites		W Steven Johnson	Ply Modifications to Alter Damage Initiation and Progression In Laminates Containing Holes	Chun Li	Investigation of an Accelerated Moisture Removal Approach of a Composite Aircraft Control Surface	Dangale C Robinson	PROCESS OPTIMIZATION AND CHARACTERIZATION OF LOW DENSITY POLYURETHANE FOAM
10:30									
10:40		Coffee Break			Coffee Break		Coffee Break		Coffee Break
10:50				Specialist Session	Benchmarking of failure criteria under 3D loading: (WWFE-II)			General Session	Mechanics of Hybrids (Fiber Metal Laminate and Functionally Graded Material)
11:00	Jeremie Compan	Reduction of thermal shock induced damages in carbon fiber composites		Sam Kaddour	THE SECOND WORLD-WIDE FAILURE EXERCISE: BENCHMARKING OF FAILURE CRITERIA UNDER TRIAXIAL STRESSES FOR FIBRE-REINFORCED POLYMER COMPOSITES	Kwang-Soo Kim	Experimental Study of Composite Bonded Skin-Stiffener Specimens	Wen-Xue Wang	GALVANIC CORROSION-RESISTANT CARBON FIBER METAL LAMINATES
11:10									
11:20	Takuya Aoki	MEASUREMENTS OF FIBER/MATRIX INTERFACIAL PROPERTIES OF UD-C/C COMPOSITE UP TO 2273 K		Danny J.L. Van Hemelrijck	Biaxial testing of fibre reinforced composites	Mengchun Yu	AEROELASTIC DIVERGENCE AND FREE VIBRATION OF TAPERED COMPOSITE WINGS	Irina Hussainova	Features of Ceramic-Metal Composites Response on Erosive Particle Impact
11:30									
11:40	Hiroya Nagai	Prevention of gas leakage through C/C composites.		Jeffry S Welsh	EXPERIMENTAL AND NUMERICAL FAILURE PREDICTIONS OF BIAXIALLY-LOADED QUASI-ISOTROPIC CARBON COMPOSITES	In-Gyu Lim	AEROELASTIC ANALYSIS OF BEARINGLESS ROTORS WITH COMPOSITE FLEXBEAM IN HOVER AND FORWARD FLIGHT	Mark Segger	GRAFOAM™ CARBON FOAM AS A MULTI-FUNCTIONAL CORE MATERIAL
11:50									
12:00	Shinn-Shyong Tzeng	Mechanical properties of carbon-carbon composites reinforced with carbon nanotubes or carbon nanofibers		Jens H. Andreasen	Interface to Interface Core Cracks in Sandwich Structures	In Seong Hwang	STRUCTURAL DESIGN AND ANALYSIS OF ELLIPTIC CYCLOCOPTER ROTOR BLADES	Zhong-Chun Chen	MICROSTRUCTURE AND ELECTRICAL CONDUCTIVITY OF NI/YSZ CERMETS FOR SOFC
12:10									
12:20		Lunch (Restaurant Sakura)			Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)
12:30									

Date: Wednesday Afternoon I

07/7/11 (Wed.)	Event	General Session		Specialist Seesion		Specialst Session		Specialst Session	
Room		Room A		Room B-2		Room F		Room G	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time:							Mini-Exhibit Hours: Room B-1 (9:00-18:00)		
12:00 ---	Registration	Entrance			Entrance		Entrance		Entrance
12:20 -- 13:20		Lunch			Lunch		Lunch		Lunch
	General Session	Processing of Nanoclay/Nanosilica Composites		Specialist Session	Composites Testing and Model Identification	Specialist Session	ONR Session - Durability and Marine Composites	Specialist Session	Delamination : Analysis I
13:20	Chun Ki Lam	Modelling of Tribological Behavior of Nanoclay/Epoxy Composites		Masamichi Kawai	Temperature Dependence of Off-Axis Creep Rupture Behavior of Unidirectional Carbon/Epoxy Laminates	Kunigal N Shivakumar	DURABILITY OF CARBON/CYANATE ESTER PULTRUDED COMPOSITES IN GAS TURBINE ENVIRONMENT	Gerald E. Mabson	Fracture Interface Elements for Static and Fatigue Analysis
13:40	Zhongzhen Yu	EFFECT OF SURFACTANT ON WEAR OF POLYMER NANOCOMPOSITES		William R Broughton	Towards Accelerated Ageing Protocols for Service in Hostile Conditions	Muhammad Umar Farooq	WATER DEGRADATION OF THE FIBER/MATRIX INTERFACE IN GLASS/VINYLESTER MEASURED BY THE OUTWATER-MURPHY TEST	(Keynote)	
13:50								Carlos A. López-Armas	A simple model for the evaluation of fatigue degradation laws for interface elements
14:00	Gang Sui	PROPERTIES OF POLYPROPYLENE NANOCOMPOSITES FABRICATED USING TWIN-SCREW EXTRUSION		Matthias De Monte	MODELLING OF FATIGUE STRENGTH DATA FOR A SHORT FIBRE REINFORCED POLYAMIDE 6.6 BASED ON LOCAL STRAIN ENERGY DENSITY	Ronald F Gibson	CHARACTERIZATION OF FATIGUE DAMAGE IN COMPOSITE SANDWICH HULL MATERIALS AT LOW TEMPERATURES		
14:10								Albert Turon	SIMULATION OF DELAMINATION PROPAGATION IN COMPOSITES UNDER HIGH-CYCLE FATIGUE USING COHESIVE-ZONE MODELS
14:20	Yu Dong	Optimsation of Property Enhancement of Polypropylene/Organoclay Nanocomposites			Coffee Break	Dan Zenkert	Tension, compression and shear fatigue of a closed cell polymer foam		
14:30								Ahmed Elmarakbi	A New Rate-Dependent Cohesive Model for Simulating Dynamic Composite Delamination
14:40	Poster Session (see the last two pages)	Coffee Break		Poster Session		Ole T Thomsen	BUCKLING AND NONLINEAR RESPONSE OF SANDWICH PANELS WITH TEMPERATURE DEPENDENT CORE PROPERTIES		
14:50								Poster Session	Coffee Break
15:00						Poster Session	Coffee Break		
15:10									
15:20									
15:30									
15:40 --		General Assembly							
		International Committee of Composite Materials	←		←		←		←

Date: Wednesday Afternoon I

07/7/11 (Wed.)	Event	Specialist Session		Specialist Session		General Session		General Session	
Room		Room H		Room I		Room J		Room K	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time:							Mini-Exhibit Hours: Room B-1 (9:00-18:00)		
12:00 ---	Registration	Entrance			Entrance		Entrance		Entrance
12:20 -- 13:20		Lunch			Lunch		Lunch		Lunch
	Specialist Session	Carbon-Carbon Composites and Ceramic Matrix Composites		Specialist Session	Benchmarking of damage and continuum mechanics failure criteria: (WWFE-III)	General Session	Simulation and Design of Aircraft Compsite Structures	General Session	Mechanics of Functionally Graded Materials
13:20	Masaki Kotani	Tensile Properties and Fracture Mechanisms of Unidirectional SiC/SiC Composites		Sam Kaddour	DAMAGE THEORIES FOR FIBRE-REINFORCED POLYMER COMPOSITES: THE THIRD WORLD-WIDE FAILURE EXERCISE (WWFE-III)	Markus Kaufmann	Integrated Cost/Weight Optimization of Composite Skin/Stringer Elements	Li-cheng Guo	STUDY OF A CRACK IN A FUNCTIONALLY GRADED LAYERED STRUCTURE UNDER THERMAL LOAD
13:40 13:50	Toshimitsu Hayashi	AE Characterization of Bending Fracture Process in SiC/SiC Composites with Transpiration Cooling Structure		L Neil McCartney	Models to predict ply cracking and its effects on laminate properties	Juil Kim	A STUDY ON CONCEPTUAL STRUCTURAL DESIGN OF FUSELAGE FOR A SMALL SCALE WIG VEHICLE USING COMPOSITE MATERIALS	Keiichiro Tohgo	Fracture toughness distribution in ceramic-metal functionally graded materials
14:00 14:10	Patrick G. DAVID	Rapid densification of ceramic matrix composite materials by film boiling		Ramesh Talreja	CONTINUUM DAMAGE MECHANICS: A MODELING APPROACH FOR COMPREHENSIVE ASSESSMENT OF SUBCRITICAL DAMAGE IN COMPOSITES	Duk C. Kong	STRUCTURAL DESIGN ON WING OF A SMALL SCALE WIG VEHICLE WITH CARBON/EPOXY AND FOAM SANDWICH COMPOSITE STRUCTURE	Masoud Tahani	Analytical solution for nonlinear bending of FG plates by a layerwise theory
14:20 14:30	Kazuaki Nishiyabu	DEVELOPMENT OF SILICON CARBIDE HEAT-RESISTANT COMPOSITES WITH MICRO-POROUS STRUCTURE		Atsushi Hosoi	Interaction between transverse cracks and edge delamination considering free-edge effects in composite laminates		Coffee Break		Coffee Break
14:40 14:50	Poster Session (see the last two pages)	Coffee Break		Poster Session	Coffee Break	Poster Session		Poster Session	
15:00 15:10 15:20 15:30									
15:40 --		General Assembly (Room A)			←		←		←

Date: Thursday Morning

07/7/12 (Thr.)	Event	Plenary & General Session		Specialist Seesion		General Session		General Session	
Room		Room A		Room B-2		Room F		Room G	
Time:	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
7:30 ---	Registration	Entrance			Entrance		Entrance		Entrance
		Plenary Lecture 5							
8:30 -- 9:00	Stepan V. Lomov	Meso-FE Modelling of Textile Composites: Road Map, Data Flow and Algorithms			←		Mini-Exhibit Hours: Room B-1 (9:00-15:00)		←
9:00-9:20		Break			Break		Break		Break
	General Session	Unique Concepts in Nanocomposites		Specialist Session	Delamination : Characterization I	General Session	Green/Biomimetic Composites and Biomedical Applications	General Session	Composites Applications to Space Structures and Baseline Technologies
9:20	Bryan Tsu-Te Chu	CARBON NANOTUBE REINFORCED GLASS-CERAMIC NANOCOMPOSITES BY ULTRASONIC IN SITU SOL-GEL PROCESSING		Emile S Greenhalgh	Fractographic observations on delamination growth mechanisms	Piedad F. Gañan	Green composites from Musaceas agro-industrial residues	Adam C Biskner	TESTING AND ANALYSIS OF LARGE CURVED GRID-STIFFENED COMPOSITE PANELS
9:40	Qing Huang	ENHANCING SUPERPLASTICITY OF ENGINEERING CERAMICS BY INTRODUCING BN NANOTUBES		(Keynote)		Thiranan Kunanoppa rat	EVALUATION OF THE REINFORCEMENT EFFECT ON WHEAT GLUTEN/NATURAL FIBERS BIOCOMPOSITES	Tsuyoshi Saotome	Transparent Structural Composites for Space Application
9:50				Paul Robinson	INTERFACE EFFECTS IN MODE II INTERLAMINAR TOUGHNESS TESTING OF UNIDIRECTIONAL COMPOSITES				
10:00	Ji Hoon Jeon	Bending Fatigue Properties of Nanohoneycomb Beam Structures				Richard S. Trask	Biomimetic planar and branched self-healing networks in composite laminates	Takahira Aoki	Thermo-mechanical Properties of Triaxially-Woven Fabric Composite for Deployable Structures
10:10				Adrian F. Gill	Effect of RTM defects on Mode I & II delamination behaviour of 5HS woven composites				
10:20	Daniel C. Davies	Interlaminar Shear Strength of A Nanocomposite				Ian P Bond	SELF-HEALING CFRP FOR AEROSPACE APPLICATIONS	Thomas W. Murphey	Composite Materials in Deployable Space Structures
10:30				Shinji Ogihara	Mode III Interlaminar Fracture Toughness in Laminated Composites				
10:40		Coffee Break					Coffee Break		Coffee Break
10:50	General Session	Multifunctional Nanocomposites, I			Coffee Break				
11:00	António T. Marques	KINETIC STUDIES OF FLAME-RETARDANT UNSATURATED POLYESTER NANOCOMPOSITES: THE EFFECT OF ALUMINIUM HYDROXIDE (ATH) AND NANOCLAYS		S. Session	Delamination : Characterization II				
11:10				Takayuki Kusaka	Mode I Fracture Behavior and Toughening Mechanism of Zanchor Reinforced Composites	Kunigal N Shivakumar	Ultra light weight materials for bio inspired microsystems	Alexander V. Lopatin	Model of deployable composite rim of large space antenna
11:20	Yu Qiao	A GEL MATRIX ENERGY ABSORBING COMPOSITE FUNCTIONALIZED BY NANOPOROUS SILICA				Andrew J Parsons	HEAT-TREATMENT OF PHOSPHATE GLASS FIBRES AND ITS EFFECT ON COMPOSITE PROPERTY RETENTION	Marie-Laure Dano	Active shape control of composite structures under thermal loading
11:30				Keiko Watanabe	Mode II Fracture Behavior and Toughening Mechanism of Zanchor Reinforced Composites				
11:40	Shang-Lin Gao	HEALING SURFACE DEFECTS BY NANOCOMPOSITE COATING				Takeshi Kawamura	On a Design Method of Composites Stem based on CT Images	Andrew D. Williams	Design of a Composite Grid Stiffened Enclosure for Satellite Avioinics
11:50				Kozue Nakane	DCB Test Simulation of Stitched CFRP Laminates Using Interlaminar Tension Test Results				
12:00	Hai Bao Lv	MECHANICAL AND ELECTRICAL PROPERTIES OF SHAPE MEMORY POLYMER MATRIX AND CARBON NANOCOMPOSITE				Shunichi Bandoh	The Development of Composite Stem for Hip Joint, An application of Composite Materials for Medical Implant Device	Matthias R. Kroedel	HBCESIC COMPOSITES FOR SPACE OPTICS AND STRUCTURES
12:10				Toshio Nakamura	INTERLAMINAR FATIGUE GROWTH UNDER THERMAL CYCLES IN COMPOSITE LAMINATE				
12:20		Lunch (Restaurant Sakura)					Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)
12:30					Lunch (Restaurant Sakura)				

Date: Thursday Morning

07/7/12 (Thr.)	Event	General Seesion		General Seesion		General Session		General Session	
Room		Room H		Room I		Room J		Room K	
Time:	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	
7:30 ---	Registration	Entrance		Entrance		Entrance		Entrance	
		Plenary Lecture 5							
8:30 -- 9:00	Stepan V. Lomov	(Room A)		←		Mini-Exhibit Hours: Room B-1 (9:00-15:00)		←	
9:00-9:20		Break		Break		Break		Break	
	General Session	Multi-Functional Composites	General Session	Dynamic Behavior of Composite Structures	General Session	Mechanics of Nonlinear and Viscoelastic Properties	General Session	Fatigue Properties of Composites	
9:20	Makoto Yamaguchi	Evaluation of Thermal Conductivity in Pitch-based Carbon Fiber Reinforced Plastics	Werner Hufenbach	Dynamic Response and Sound Radiation of Textile-Reinforced Composite Shells	Shunsuke Yoshida	Evalution of nonlinear behavior of CFRP laminates in tension and compression	Masamichi Kawai	Ply-by-Ply Basis Off-Axis Fatigue Life Prediction for Cross-Ply CFRP Laminates at room temperature	
9:40									
9:50	Won-Jun Lee	MICROWAVE ABSORBING STRUCTURE WITH CONDUCTING POLYMER FSS COATING	Shi-ning Feng	ANALYSIS OF NONLINEAR DYNAMIC STABILITY FOR PIEZOELECTRIC COMPOSITE PLATE INCLUDING INTERFACE DEBONDING DEFECTS USING HIGH ORDER SHEAR DEFORMATION THEORY	Norihiko Taniguchi	Experimental characterization of dynamic tensile strength in off-axis carbon/epoxy composites	Hiroshige Kikukawa	Strength Degradation Model for Fatigue Life Prediction	
10:00									
10:10	Akihisa Tabata	Health Monitoring of Vehicle Structure by using PVDF Sensors	Man Wang	STUDY OF VIBRATION AND TRANSFER FUNCTION FOR DEBONDED COMPOSITE SANDWICH PLATES	Shuguang Li	A nonlinear in-plane shear model for UD composites	Makoto Imanaka	Fatigue crack growth in adhesively bonded CFRP/CFRP and CFRP/Aluminum DCB joints	
10:20	Venkata K Punya-murtula	A HONEYCOMB STRUCTURE ENHANCED BY NANOPOROUS MATERIAL FUNCTIONALIZED LIQUID	Li MA	Mechanical properties and impulsive response of 3D-Kagome truss core sandwich panel	Hidenari Ogata	Effect of Loading Rate on Mechanical Behavior of CFRP Laminates	Lars R. Jensen	INTERFACIAL PROPERTIES OF CARBON FIBRE - EPOXY COMPOSITES UNDER FATIGUE LOADING	
10:30									
10:40		Coffee Break		Coffee Break		Coffee Break		Coffee Break	
10:50	G. Session	Mechanics of Impact and Blast							
11:00									
11:10	Reza Vaziri	MODELLING OF DAMAGE DEVELOPMENT IN BLAST LOADED COMPOSITE PANELS	Ping Tan	Active Vibration Control of a Laminated Composite Beam Using MFRC Patches	Keisuke Nakata	Off-Axis Viscoplastic Behavior of Plain-Woven Laminates: Analysis using Time-Dependent Homogenization Theory	Toshio Ogasawara	TENSION / TORSION FATIGUE BEHAVIOR OF UNIDIRECTIONAL GFRP AND CFRP	
11:20									
11:30	Tahira Ahmed	Low velocity impact on woven glass composites reinforced with metal mesh layers	Brandon Don DeMille	Structural Dynamics of Circular Composite Plates with Discrete Stiffeners	Satoru Saito	RATE DEPENDENT OFF-AXIS COMPRESSIVE STRENGTH OF UNIDIRECTIONAL CARBON/EPOXY LAMINATES AT HIGH TEMPERATURE	Tae Chul Moon	Design and Bending Fatigue Characteristics of Composite Multilayer Surface Antenna Structure for Satellite Communication	
11:40	Liviu Librescu (Late)	DYNAMIC RESPONSE OF FUNCTIONALLY GRADED SHELL-TYPE STRUCTURES TO EXPLOSIVE BLASTS	Altan Kayran	EFFECT OF ANISOTROPY ON THE VIBRATION CHARACTERISTICS OF COMPOSITE SHELLS OF REVOLUTION	Pramod K. Kushwaha	NON LINEAR MODEL FOR EVALUATION OF DAMPING IN POLYMER COMPOSITE	Takeshi Inoue	FATIGUE LIFE EVALUATION OF BOLT MADE OF WOVEN FABRIC FRP	
11:50									
12:00		Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)	Ming-Hwa R. Jen	Fatigue Response of Centrally Notched Hybrid Quasi-Isotropic Composite laminates at Elevated Temperature	
12:10									
12:20								Lunch (Restaurant Sakura)	
12:30									

Date: Thursday Afternoon I

07/7/12 (Thr.)	Event	Plenary & General Session		Specialist Seesion		Specialst Session		Specialst Session	
Room		Room A		Room B-2		Room F		Room G	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 12:00 ---	Registration	Entrance			Entrance		Entrance		Entrance
12:20 -- 13:30		Lunch			Lunch		Lunch		Lunch
		Plenary Lecture 6							
13:30 - 14:00	Chang S. Hong	Innovation Strategy of Science and Technology in Korea			←		Mini-Exhibit Hours: Room B-1 (9:00-15:00)		←
14:00- 14:20		Refreshment			Refreshment		Refreshment		Refreshment
	General Session	Modeling and Analysis of Nanocomposites		Specialist Session	Delamination : Analysis II	Specialist Session	Radiation Curing and Rapid Consolidation	Specialist Session	Carbon-Carbon Composites and Ceramic Matrix Composites
14:20	Toshiaki Natsuki	AN ATOMISTIC-BASED CONTINUUM ANALYSIS FOR NONELASTIC BEHAVIORS OF CARBON NANOTUBES		Robin Olsson	On Improper Foundation Models for the DCB Specimen	Kiyoshi Enomoto (Keynote)	Development of Radiation Curing Technology of Polymer Matrix Composites by Japanese National Project on Advanced Materials and Process Development for Next Generation Aircraft Structures	Tetsuya Morimoto	Size Effect Factors on the Gauge Length Dependence of Ceramic Monofilament Tensile Strength
14:40	Jia-Lin Tsai	CHARACTERIZING MECHANICAL PROPERTIES OF PARTICULATE NANOCOMPOSITES USING MULTI-SCALE SIMULATION		Henk de Boer	Modelling interfaces and bonded joints			Ian J. Davies	INFLUENCE OF RADIUS VARIATION ON THE DRY BUNDLE STRENGTH OF BRITTLE FIBRES
14:50						Mitsuyasu Yoda	ELECTRON BEAM PROCESSING FOR AIRCRAFT STRUCTURES		
15:00	Lukasz Figiel	Modelling Morphology Evolution during Quasi Solid-State Processing of Clay/Polymer Nanocomposites		Toshio Nagashima	DELAMINATION PROPAGATION ANALYSIS OF COMPOSITE LAMINATE USING X-FEM			Kiyoshi Itatani	Enhancement of Mechanical Properties for Self-Reinforced Hot-Pressd Silicon Carbide
15:10						Koichi Hasegawa	Development of the UV-Cured RTM Process		
15:20	Zhenfang Liang	Study on the Rheological Characteristics of Nano-fillers/ Epoxy Systems		Luis Miguel Durão	Delamination analysis of carbon fibre reinforced laminates			Waldemar Pyda	A ZIRCONIA COMPOSITE WITH TITANIUM DIBORIDE INCLUSIONS IN-SITU SYNTHESIZED
15:30						Atushi Nohara	DEVELOPMENT OF ACRYLATE RESIN FOR CARBON FIBER REINFORCED PLASTICS		
15:40	Tetsuya Kunizawa	HIGH FREQUENCY VISCOELASTIC PROPERTIES OF NANO PARTICLES-FILLED RUBBER COMPOUNDS BY ULTRASONIC MEASUREMENT		Alessandro Airoldi	Evaluation of numerical approaches for the development of interlaminar damage in composite laminates			Sergei T Mileiko	OXIDE/OXIDE COMPOSITES WITH SINGLE CRYSTALLINE AND EUTECTIC FIBRES
15:50						Yoshiyuki Honda	Development of Composite Curing Process by Visible Light		
16:00		Coffee Break			Coffee Break		Coffee Break		Coffee Break
16:10									
16:20									

Date: Thursday Afternoon I

07/7/12 (Thr.)	Event	General Session		General Session		General Session		General Session
Room		Room H		Room I		Room J		Room K
	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 12:00 ---	Registration	Entrance		Entrance		Entrance		Entrance
12:20 -- 13:30		Lunch		Lunch		Lunch		Lunch
		Plenary Lecture 6						
13:30 - 14:00	Chang S. Hong	(RoomA)		←		Mini-Exhibit Hours: Room B-1 (9:00-15:00)		←
14:00- 14:20		Refreshment		Refreshment		Refreshment		Refreshment
	General Session	Mechanics of Impact and Blast	General Session	Properties of Metal Matrix Composites	General Session	Marine/ Naval Application of Composites	General Session	Behavior of Composites under Cyclic and Fatigue Loading
14:20	Kevin A. Brown	Modelling of the impact behaviour of thermoplastic composite sandwich structures	Hisao Uozumi	Compressive deformation of MWCNT porous preform during infiltration of Al or Mg alloy	Mateusz M Plucinski	Optimization of a Flexible Composite Marine Propeller Using Genetic Algorithms	Souta Kimura	A Method for Predicting the Stress Distribution in Ductile Matrix Composite under Cyclic Loading
14:40 14:50	Olivier Sicot	INFLUENCE OF STACKING SEQUENCE ON IMPACT DAMAGE OF PRE-STRESSED ISOTROPIC COMPOSITE LAMINATES	Joaquin Rams	THERMALLY SPRAYED COMPOSITE COATINGS OF ALUMINIUM AND SOL - GEL COATED SIC PARTICLES	Zhanke Liu	Utilization of Bending-twisting Coupling Effects in Composite Marine Propellers	Fodil Meraghni	A NEW THERMODYNAMICAL FATIGUE DAMAGE MODEL FOR THE SHORT GLASS FIBER REINFORCED THERMOPLASTIC MATRIX
15:00 15:10	Laurent Guillaumat	Reliability modelling of impacted composite materials for railways	Tsunehisa Suzuki	IMPROVEMENT OF GRAIN RETENTIVITY OF ELECTROPLATED DIAMOND TOOLS BY NI-BASED CNT COMPOSITE COATINGS	Yin-Lu Young	TRANSIENT BEHAVIOR OF FLEXIBLE COMPOSITE PROPELELRS IN WAKE INFLOW	Giovanni Meneghetti	FATIGUE STRENGTH ASSESSMENT OF A SHORT FIBRE-REIFORCED PLASTIC BASED ON THE ENERGY DISSIPATION
15:20 15:30	Tae J. Kang	Impact Analysis of Fiber-Reinforced Composites Based on Elasto-Plastic Constitutive Law	Shenq-Yih Luo	EFFECT OF RESIN AND GRAPHITE OF THE BRONZE-BONDED DIAMOND COMPOSITE TOOLS ON THE DRY GRINDING BK7 GLASSES	Mark A. Battley	Dynamic performance of sandwich core materials	Hany Amin El Kadi	The use of neural networks in the prediction of the fatigue life of different composite materials
15:40 15:50	Yan-hong Cai	THE DYNAMIC STRESS INTENSITY FACTOR ANALYSIS OF ADHESIVELY BONDED MATERIAL INTERFACE WITH DAMAGE UNDER NORMAL IMPACT LOADING	Sriraman Santhanavaradan	TO STUDY TOOL WEAR MECHANISM OF PCD 1600 GRADE ON MACHINING Al-SiC COMPOSITES USING ARTIFICIAL NEURAL NETWORKS	Joachim L. Grenestedt	DAMAGE TOLERANCE OF STEEL/COMPOSITE HYBRID SHIP HULL		Coffee Break
16:00 16:20		Coffee Break		Coffee Break		Coffee Break		

Date: Thursday Afternoon II

07/7/12 (Thr.)	Event	General Session		Specialist Seesion		Specialst Session		Specialst Session	
Room		Room A		Room B-2		Room F		Room G	
	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 12:00 ---	Registration	Entrance			Entrance		Entrance		Entrance
	General Session	Electro-Magnetic Properties of Nanocomposites		Specialist Session	Delamination : Application	Specialist Session	Radiation Curing and Rapid Consolidation	Specialist Session	Carbon-Carbon Composites and Ceramic Matrix Composites
16:10		Coffee Break			Coffee Break		Coffee Break		Coffee Break
16:20	Jin Woo Yi	MEASUREMENT OF ELECTROMAGNETIC PROPERTIES FOR POLYMERIC COMPOSITES CONTAINING METAL-COATED SUBMICRON POLYSTYRENE PARTICLES		Ronald Krueger	Panel-Stiffener Debonding Analysis Using A Shell/3D Modeling Technique			Jianjun SHA	EXPERIMENTAL AND NUMERICAL INVESTIGATIONS ON THE RESIDUAL STRAINS OF YAG PHASE IN DIRECTIONALLY SOLIDIFIED AL2O3/YAG EUTECTIC COMPOSITE
16:30						Katsuhiko Osaka	CURE MONITORING OF UV POLYMERS BY RAMAN SPECTROSCOPY		
16:40	Jin B. Kim	EFFECT OF DISPERSION METHODS ON THE MECHANICAL AND ELECTROMAGNETIC PROPERTIES OF VGCF/EPOXY COMPOSITES		Jiye Chen	PREDICTION OF DELAMINATION IN BRAIDED COMPOSITE T-PIECE SPECIMENS			Shojiro Ochiai	ANALYSIS OF TEMPERATURE- AND STRAIN RATE DEPENDENCE OF COMPRESSIVE FLOW STRESS OF ALUMINA/YAG COMPOSITE AT 1773 TO 1973K
16:50						Gilles JP. Regnier	A MULTI-PHYSIC AND MULTI-SCALE APPROACH TO MODEL THE CONTINUOUS WELDING OF THERMOPLASTIC MATRIX COMPOSITES		
17:00	Aissa Allaoui	Nano-carbon fillers in a resin matrix: electrical properties		Matthew J Hiley	A Comparison of Through-Thickness Reinforcement Methods: Z-Pinning and Stitching			Robert Böhm	Fibre reinforced ceramic matrix composites for advanced tribological applications
17:10									
17:20	Ki-Yeon Park	FABRICATION AND ELECTROMAGNETIC CHARACTERISTICS OF COMPOSITES CONTAINING ELECTROLESS METAL-COATED CARBON NANOFIBERS		Yuichiro Aoki	EFFECT OF DELAMINATION PROPAGATION ON MECHANICAL BEHAVIOR IN COMPRESSION AFTER IMPACT	Sunil C. Joshi	OPTIMIZATION FOR QUALITY THERMOSETTING COMPOSITES PULTRUDATE THROUGH DIE HEATER LAYOUT AND POWER CONTROL	Manuel Belmonte	Influence of the SPS parameters on the microstructure of CNTs/Si3N4 composites
17:30									
17:40	Xavier Kornmann	Electrical and Mechanical Properties of Epoxy-Clay Nano composites		Aniello Riccio	INFLUENCE OF MATERIAL UNCERTAINTY ON THE DAMAGE RESISTANCE AND TOLERANCE OF STIFFEND COMPOSITE PANELS	Yoshihiro Takai	MECHANICAL PROPERTIES OF THERMOPLASTIC PULTRUSION PRODUCTS WITH BRAIDING TECHNIQUE	Maud F. Placide	Interfaces in silicon carbide multilayered ceramics
17:50						Darko Stavrov	OPTIMIZATION TOOL FOR WELDING OF THERMOPLASTIC COMPOSITES		
18:00		Break		T Kevin O'Brien	Towards a Delamination Fatigue Methodology for Composite Materials			Changqing Hong	IN-SITU REACTION SYNTHEIS AND MECHANICAL PROPERTIES OF ULTRA HIGH TEMPERTURE CERAMICS
18:10						Chiara Zaniboni	Reactive stamp forming of carbon fibre/PPA composites		
18:20					Break				Break
18:30							Break		
18:30-19:00									
19:00--21:30		Conference Banquet			at Prince Hall in Grand Prince Hotel Kyoto: Basement 2 level (across a road from ICC Kyoto)				

Date: Thursday Afternoon II

07/7/12 (Thr.)	Event	General Session		General Session		General Session		General Session
Room		Room H		Room I		Room J		Room K
	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 12:00 ---	Registration	Entrance		Entrance		Entrance		Entrance
	General Session	Response to Ballistic Impact	General Session	Mechanics of Composites Repair	General Session	Marine/ Naval Application of Composites	General Session	Micromechanics
16:10		Coffee Break		Coffee Break		Coffee Break		Coffee Break
16:20	Felicity J. Guild	Ballistic Impact of Composite Laminates: Experiments and Simulations	Hikaru Hoshi	STUDY ON REPAIR OF CFRP LAMINATES FOR AIRCRAFT STRUCTURES	Christian Berggreen	IMPROVING PERFORMANCE OF POLYMER FIBER REINFORCED SANDWICH X-JOINTS IN NAVAL VESSELS ? PART I: DESIGN ASPECTS	Chun-Ron Chiang	An extended Mori-Tanaka's micromechnics model
16:30								
16:40	Cheng Kun Chu	A Study of Ceramics Composite Materials for Bullet-proof Optimization by Using Taguchi Method	Endel V Iarve	TENSILE FAILURE PREDICTION AND MEASUREMENT IN COMPOSITE SCARF REPAIR	Christian Lundsgaard -Larsen	IMPROVING PERFORMANCE OF POLYMER FIBER REINFORCED SANDWICH X-JOINTS IN NAVAL VESSELS ? PART II: DAMAGE TOLERANCE	Akihiro Wada	Effective Stiffness of a Partially Debonded Spherical Particle
16:50								
17:00	Rahul Goel	Stress Wave Attenuation During Ballistic Impact on a Ceramic Target	Liyong Tong	Nonlinear analysis of bonded composite patch repairs	Wenfeng Xie	NUMERICAL INVESTIGATION OF UNDERWATER EXPLOSION NEAR COMPOSITE PLATES	Fernando Ramirez	BULK STIFFNESS AND STRENGTH OF LOW-DENSITY FIBROUS COMPOSITES
17:10								
17:20	Guiping Zhao	An experimental investigation of penetration failure modes in composite laminates	Yutaka Iwahori	EXPERIMENTAL EVALUATION FOR CFRP STRENGTH AFTER VARIOUS PAINT STRIPING METHODS	Mostapha Tarfaoui	MACROSCOPIC AND MICROSCOPIC EVENTS OF DAMAGE UNDER A HIGH STRAIN RATE COMPRESSIVE LOADING	Shuguang Li	Implications of boundary conditions of unit cells for micromechanical analysis
17:30								
17:40	Bohong Gu	FEM Simulation of Ballistic Perforation of 3-D Rectangular Braided Composite	Nicolae S. Constantin	Aspects of repair technology optimization through numerical/ experimental modeling	Mohamed Mejri	RELIABILITY APPROACH FOR THE BEHAVIOUR OF ADHESIVELY-BONDED ASSEMBLIES IN MARINE APPLICATIONS	Antonio R. Melro	Generation of Transversal Material Randomness in Fibre Reinforced Composites
17:50								
18:00		Break	Takashi Nishino	REPAIR OF DETERIORATED CFRP USING SUPER CRITICAL CARBON DIOXIDE		Break	Njaramalala Rabearison	FEM simulation of a thermosetting epoxy matrix : application to internal stresses
18:10								
18:20				Break				Break
18:30-19:00								
19:00--21:30		Conference Banquet		at Prince Hall in Grand Prince Hotel Kyoto: Basement 2 level (across a road from ICC Kyoto)				

Date: Friday Morning

7/13	Event	Plenary & General Session		General and Specialst Sessions		Specialst Session		Specialst Session	
Room		Room A		Room B-2		Room F		Room G	
Time:	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
7:30 ---	Registration	Entrance			Entrance		Entrance		Entrance
		Plenary Lecture 7							
8:30 -- 9:00	Goichi Ben	WHAT WE HAVE ACCOMPLISHED IN NEDO PROJECT FOR AUTOMOTIVE STRUCTURES			←		←		←
9:00-9:20		Break			Break		Break		Break
	General Session	Processing of Carbon Nanotube Composites		General Session	Mechanics of Interlaminar Reinforcement	Specialist Session	Composites Applications to Automobiles and Their Recycle	Specialist Session	Electronic Composites
9:20	Ka Keung Wong	Effects of UV Exposure on an Oxidized Carbon Nanotube Polymer Composite		Lotfi Hamitouche	EXPERIMENTAL AND NUMERICAL ANALYSIS OF MODE I INTERLAMINAR DELAMINATION OF A STITCHED LAMINATED COMPOSITE	Koji Yamaguchi	ALSTECC PROGRAM: CHARACTARIZATION OF A SHORT CYCLE RTM FOR MASS PRODUCTION	Minoru Taya (Keynote)	Electronic Composites: Overview with two case studies, thermal interface materials and piezo-SMA composite
9:40	Alejandro Urena	EFFECT OF DISPERSION, FUNCTIONALIZATION AND ORIENTATION OF CARBON NANOFIBERS ON THE PROPERTIES OF NANOREINFORCED EPOXY RESINS		Yutaka Iwahori	MODE I INTERLAMINAR FRACTURE MECHANICAL PROPERTIES OF THE CFRP LAMINATES ENHANCED BY ZANCHOR TECHNOLOGY	Nao Sugimoto	IMPACT PROPERTIES OF CFRP/AL HYBRID IMPACT BEAM FOR ABSORBING IMPACT ENERGY IN SIDE COLLISION OF AUTOMOBILES		
9:50								Wolfgang Bauhofer	The influence of shearing and electric fields on the percolation threshold in carbon nanotube epoxy composites
10:00	Nao Takase	Alignment control of carbon nanofibers using liquid crystal		Hsengji Huang	INFLUENCE OF Z-PIN SIZE AND DESNSITY ON THE COMPRESSIVE RESPONSE OF WOVEN COMPOSITES	Ayako Takano	A quantity of energy absorption of a structure body made by CFRP		
10:10								Ning Hu	PREDICTION OF ELECTRICAL CONDUCTIVITY OF POLYMER FILLED BY CARBON NANOTUBES
10:20	Soon H Hong	FABRICATION PROCESS AND MECHANICAL ROPERTIES OF CARBON NANOTUBE NANOCOMPOSITES (Substitute)		Patrick Pérès	Composite Behaviour of assemblies with AEROTISS O3S technology	Hyoung-Soo Kim	COMPARISON OF EXPERIMENTAL RESULTS WITH FEM ONES OF RECTANGULAR CFRP TUBES FOR FRONT SIDE MEMBERS OF AUTOMOBILES		
10:30								Yoshinobu Shimamura	STRAIN SENSING BY USING PIEZORESISTIVITY OF CARBON-NANOTUBE/FLEXIBLE-EPOXY COMPOSITE
10:40		Coffee Break			Coffee Break		Coffee Break		
10:50	General Session	Multifunctional Nanocomposites, II		Specialist Session	Three Dimensional Textiles and Composites				Coffee Break
11:00	Heejae Yang	MULTIFUNCTIONAL NANOPARTICLES REINFORCED NANOFIBERS BY ELECTROSPINNING		Alexander E. Bogdanovich (Keynote)	Advancements in Manufacturing and Applications of 3-D Textile Preforms and Composites	Hiroyuki Hamada	EFFECT OF COLLAPSE TRIGGER MECHANISM ON THE ENERGY ABSORPTION CAPABILITY OF FRP TUBES		
11:10								Hiroyuki Fukushima	ELECTRICAL AND BARRIER PROPERTIES OF EXFOLIATED GRAPHITE NANOPLATELET (XGNP) REINFORCED NANOCOMPOSITES
11:20	Yoshihiro Yamashita	Establishment of nano fiber preparation technique for nanocomposites				Yoshio Aoki	DEVELOPMENT AND IMPACT BEHAVIORS OF CFRP GUARDER BELT FOR SIDE COLLISION OF AUTOMOBILES		
11:30				Jonathan J. Crookston	3D textile composite mechanical properties prediction using automated FEA of the unit cell			Qing-Qing NI	Shape Memory and Electromagnetic Interference Shielding Effect of CNT/SMP Nanocomposites
11:40	Ying-Ling Liu	SILICA NANO-PARTICLE/POLYELECTROLYTE NANOCOMOPSITE MEMBRANES FOR DIRECT METHANOL FUEL CELLS				Gerald R. Kress	CFRP TORSION SPRING: LOAD INTRODUCTION PROBLEM		
11:50				Prasad Potluri	Compliance Modelling of 3D Weaves			Jing Li	Percolation Threshold of Polymer Nanocomposites Containing Graphite Nanoplatelets and Carbon Nanotubes
12:00	Cheol Kim	IMPROVED FABRICATION AND TESTS OF A CNT/PANI COMPOSITE FILM ACTUATOR				Shilian Hu	Surface Finish of Composite Automobile Panels		
12:10				Vitaly Koysin	INTERNAL GEOMETRY OF STRUCTURALLY STITCHED NCF PREFORMS			Jozef Kwiczala	Composite Cores in Current Transformers
12:20		Lunch (Restaurant Sakura)					Lunch (Restaurant Sakura)		
12:30					Lunch (Restaurant Sakura)				Lunch (Restaurant Sakura)

Date: Friday Morning

7/13	Event	General Session	General Seesion		General Session		General Session	
Room	Room H		Room I		Room J		Room K	
Time:	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
7:30 ---	Registration	Entrance		Entrance		Entrance		Entrance
		Plenary Lecture 7						
8:30- 9:00	Goichi Ben	(Room A)		←		←		←
9:00-9:20		Break		Break		Break		Break
	General Session	Behavior of Mechanical Joint	General Session	Multi-Scale Modeling and Analysis of Composites	General Session	Aging Properties of Composites	General Session	Analysis and Modeling of Progressive Failure
9:20	Yoshihiro Takao	CRITICAL FATIGUE AND QUASI-STATIC BEARING DAMAGES OF A PIN JOINT IN BOTH [0/±45/90]3S AND [90/±45/0]3S CFRP LAMINATES	Seiichi Nomura	A NEW ANALYTICAL METHOD FOR PARTICULATE COMPOSITES	Yasushi Miyano	CHARACTERIZATION OF TIME-TEMPERATURE DEPENDENT STATIC AND FATIGUE BEHAVIOR OF UNIDIRECTIONAL CFRP	Tong-Earn Tay	COMPUTATIONAL PROGRESSIVE FAILURE OF COMPOSITE STRUCTURES
9:40	Peter P. Krimbalis	An Experimentally Validated Methodology for Predicting the Bearing Strength of Fiber Metal Laminates	Tetsusei Kurashiki	Damage development of woven composites based on multi-scale analysis	Anthony Roland Bunsell	The Prediction of Composite Properties during Environmental Ageing	Masakazu Sano	DAMAGE PROGRESSIVE FAILURE ANALYSIS OF COMPOSITE-INCLUDED SANDWICH CONSTRUCTION
9:50								
10:00	Geoffrey J. Turvey	Effect of Hole Clearance on Bolt Loads in Pultruded GRP Tension Joints	Tetsuya Matsuda	Microscopic Interlaminar Analysis of Cross-Ply Laminates using Homogenization Theory	Gerard L. Vignoles	FIRST STEPS OF THE DEGRADATION OF A CARBON/ PHENOLIC COMPOSITE : THE ROLE OF MOISTURE TRANSFER	Claudio S Lopes	Progressive Damage Analysis of Tow-Steered Composite Panels in Postbuckling
10:10								
10:20	Tae Ho Yoon	Parametric study for optimal design of rivet jointed composite plates considering interference fit	Valter Carvelli	MULTI-SCALE MECHANICAL NUMERICAL ANALYSIS OF MULTI-AXIAL COMPOSITES	Jin-Chul Yun	DEGRADATION OF GRAPHITE REINFORCED POLYMER COMPOSITES FOR PEMFC BIPOLAR PLATE AFTER HYGROTHERMAL AGEING	Mototsugu Tanaka	EFFECT OF UNIFORMITY OF FIBER ARRANGEMENT ON TENSILE FRACTURE BEHAVIOR OF UNIDIRECTIONAL MODEL COMPOSITES
10:30								
10:40		Coffee Break		Coffee Break		Coffee Break		Coffee Break
10:50	S. Session	Interface						
11:00	Frank R Jones (Keynote)	Optimising the interfacial response of high Vf glass fibre composites using plasma polymerisation	Shabnam Behzadi	The Effect of the Matrix on the Strength of Unidirectional Fibre Composites	Fumio Ogawa	STUDY ON STRENGTH DEGRADATION IN UNIDIRECTIONAL COMPOSITES, DUE TO TIME-DEPENDENT DAMAGE	Keiji Ogi	EFFECT OF INITIAL FIBER CRACKS ON FRACTURE BEHAVIOR IN CFRP CROSS-PLY LAMINATES
11:10								
11:20			Wanil Byun	MESH MODELING OF ANGLE-PLY LAMINATED COMPOSITE PLATES FOR DNS	Robert G. Reid	Measurement of residual stress in unidirectional GFRP	Charlene Ann Squires	Investigations into the Initiation of Failure Mechanisms under uni-axial Compressive Loading
11:30	Nobuo Ikuta	MECHANISM ON FIXATION OF SURFACE AGENTS TO p-ARAMID FIBER FOR INTERFACIAL REINFORCEMENT IN COMPOSITES						
11:40			Isamu Riku	On micromechanical deformation behavior of foam with high relative density	Tohru Morii	Experimental evaluation of residual strength of aged glass fiber reinforced plastics by acoustic emission	Masaaki Nishikawa	Mechanics of Fiber Fragmentation in Single-Fiber Composite
11:50	Tsukasa Kobayashi	Micro Mechanical and Thermal Analyses of Polymer Transcrystal using Scanning Probe Microscope						
12:00			Qingda D Yang	Virtual Experiments for Structural Composites through Multiscale Modeling	Kouji Maruo	Effect of aging behavior of mechanical properties of AZ91D/Al18B4O33 whisker composites fabricated by squeeze casting	Hari Dharan	Micro-Hysteresis and Damage Detection in Notched Composites
12:10	Arran R. Wood	The interfacial properties of glass fibre/nano-modified polyester matrix composites						
12:20				Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)		Lunch (Restaurant Sakura)
12:30		Lunch (Restaurant Sakura)						
12:40								
12:50								

Date: Friday Afternoon

7/13	Event	Plenary & General Session	Specialist Seesion		Specialst Session		General Session	
Room		Room A	Room B-2		Room F		Room G	
Time:	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
-- 13:30		Lunch		Lunch		Lunch		Lunch
13:30 - 14:00		Plenary Lecture 8 Anthony M Waas — Progressive Failure in Composite Laminated Panels: Experiments, Analysis and Modeling		←		←		←
14:00-20		Refreshment		Refreshment		Refreshment		Refreshment
	General Session	Multifunctional Nanocomposites, II	Specialist Session	Three Dimensional Textiles and Composites	Specialist Session	Composites Applications to Automobiles and Their Recycle	General Session	Mechanics of Adhesive Joint
14:20	Wei Hong Zhong	CONDUCTING PROPERTIES OF POLYPROPYLENE/ CARBON NANOFIBER COMPOSITES	Martin Danneman n	Joints of Thick 3-D Woven E-glass Composites - Fabrication and Mechanical Characterization	Valeria Antonelli	Structural Design of the Superbus	Georges Verchery	Influence of stacking sequences on the strength of composite bonded joints.
14:40 14:50	Wei Jen Chen	Preparation sheet and Characterization of Carbon Nano Tube /Phenolic resin Nanocomposite for Fuel Cell Bipolar Plate	Yoshiyuki Kobayashi	DEVELOPMENT OF 3-D WOVEN COMPOSITES TO AIRCRAFT STRUCTURES	Hideaki Kasano	Chipping Failure of Automotive Coated Film Layers at Low Temperatures	Brian G. Falzon	EXPERIMENTAL AND NUMERICAL STUDY OF DEBONDING IN COMPOSITE ADHESIVE JOINTS
15:00		Coffee Break	Werner Hufenbach	Material Characterization, vibro-acoustic Analysis and Manufacturing of Textile-reinforced complex 3-D Composite Structures		Coffee Break	Peter A. Gustafson	A Macroscopic Finite Element for a Symmetric Double Lap Joint Subjected to Mechanical and Thermal Loading
	General Session	Composites Application to Wind Turbine						
15:20 15:30	Peter Berring	Torsional performance of wind turbine blades - part I: Experimental investigation		Coffee Break	Karl Schulte	Optimisation of a pyrolysis process for recycling of CFRPs		Coffee Break
15:40 15:50	Kim Branner	Torsional performance of wind turbine blades - part II: Numerical verification	Joon-Hyung Byun	Architectural Effect on Mechanical Properties of 3D Carbon/PPS Composites	Jun Takahashi	MECHANICAL PROPERTIES OF RECYCLED CFRP BY INJECTION MOLDING METHOD	Ovidiu V. Nemes	ADHESIVE BONDED-JOINTS ASSEMBLIES ANALYSIS
16:00 16:10	Lars Chr. T. Overgaard	Interdisplinary Damage and Stability Analysis of a Wind Turbine Blade	Arun Shukla	PERFORMANCE OF 3-D WOVEN COMPOSITES UNDER SHOCK LOADING	Stephen J Pickering	Recycling Carbon Fibre/Epoxy Resin Composites using Supercritical Propanol	Cesar E. Gonzalez Murillo	Experimental and Finite Element Studies of Adhesively Bonded Lap Joints for Natural Fibre Composites
16:20 16:30	Keisuke Hayabusa	EVALUATION OF MECHANICAL PROPERTIES AND FORMABILITY OF GFRP FOR WIND TURBINE BLADE	Laurent Warnet	High Velocity Impact on Textile Reinforced Composites	Hajime Kishi	Dismantlable epoxy adhesives for recycling of structural materials	Bernd Grueber	ANALYTICAL METHODS FOR THE STRESS CONCENTRATION ANALYSIS OF MULTILAYERED ANISOTROPIC COMPOSITES WITH ELASTIC INCLUSIONS
16:40 16:50	Bosko P. Rasuo	DESIGN, FABRICATION AND VERIFICATION TESTING OF THE WIND TURBINE ROTOR BLADES FROM COMPOSITE MATERIALS	Gerd Franzke	Improved warp knitting machine for symmetric multi-plies	Chuntip Kumnuanti p	CERAMIC SCRAP LOADING IN THE UNSATURATED POLYESTER RESIN	Jean-Yves Cognard	EXPERIMENTAL STUDY AND MODELLING OF THE BEHAVIOR OF HYBRID BONDED ASSEMBLIES IN MARINE APPLICATIONS
17:00 17:10	Anton Hulskamp	Model of a Wind Tunnel Scale Model of a Wind Turbine Blade for Unsteady Aerodynamic Load Control Experiments	Baozhong Sun	Frequency Analysis of 3-D Woven Composite under Static and Impulsive Compression		Break	Sashi Kanta Panigrahi	EFFECT OF THROUGH-THE-WIDTH EMBEDDED DELAMINATION ON DAMAGE PREDICTION OF SINGLE LAP FRP COMPOSITE JOINTS
17:20-18:00		Break		Break				Break
18:00--19:30		Farewell Beer and "Sake" Party		at Restaurant "Sakura"				

Date: Friday Afternoon

7/13	Event	Specialist Session		General Session		General Session		General Session	
Room		Room H			Room I		Room J		Room K
Time:	Name	Presentation Title		Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
-- 13:30		Lunch			Lunch		Lunch		Lunch
13:30 - 14:00	Anthony M Waas	Plenary Lecture 8 (Room A)		←		←		←	
14:00-:20		Refreshment			Refreshment		Refreshment		Refreshment
	Specialist Session	Interface		General Session	Multi-Scale Modeling and Analysis of Composites	General Session	Hygroscopic Properties of Composites	General Session	Analysis and Modeling of Progressive Failure
14:20	Jacques L. Lamon	MICROMECHANICS-BASED EVALUATION OF INTERFACES: THE CONCEPT OF DEVIATION POTENTIAL		Jan Schjoedt-Thomsen	AN APPROACH TO BRIDGE ATOMIC- AND CONTINUUM-STRESS	Ernest G. Wolff	Measurement of Hygrothermal Expansion of Asymmetric Composite Panels	Matthew A. Dilligan	MODELING OF INTEGRAL CRACK ARREST ZONES IN CFRP AEROSPACE STRUCTURES
14:40	Kjelt van Rijswijk	THE EFFECT OF AMINOSILANES ON THE PROPERTIES OF ANIONIC POLYAMIDE-6 COMPOSITES		Yuichi Fukuta	Multi-Scale Creep Analysis of Long Fiber-Reinforced Laminates	Yoshihiko Arao	Effect of moisture absorption on dimensional stability in carbon/epoxy composites	Hirokazu Matsuda	EFFECT OF CRACK ARRESTER FOR FOAM CORE SANDWITCH PANEL UNDER MODE I AND MIXED MODE CONDITION
14:50									
15:00	Xiaoming Liu	An XPS Study of Organosilane and Sizing Adsorption on E-glass Fibre Surface		Vincent B Tan	COUPLING MOLECULAR DYNAMICS WITH AMORPHOUS CELLS FOR POLYMER MODELING	Ruixiang Bai	BUCKLING BEHAVIOR OF DELAMINATED AGS CONSIDERING HYGROSCOPIC EFFECT	Alessandro Cannas	MODE-II INTERLAMINAR FRACTURE OF NOVEL HOLLOW SHAPED GLASS FIBRE-REINFORCED COMPOSITES
15:10									
15:20		Coffee Break			Coffee Break		Coffee Break	Ramesh P Babu	Characterization of curing stress effects on fracture behaviour of FRP composite laminate with elliptical cutouts
15:30				G. Session	Applications to General Engineering	General Session	Composites Applications to Infrastructure and Household Stuff		
15:40	Yoriaki Sakamoto	Evaluation of Glass Fiber/Epoxy Interfacial Strength Using a Cruciform Specimen		Yanju Liu	STRUCTURAL OPTIMIZATION OF TACTILE DISPLAY ACTIVATED BY MAGNETORHEOLOGICAL FLUID	AYMAN S. MOSALLAM	RECENT ADVANCES IN THE USE OF POLYMER COMPOSITES IN HIGHWAY BRIDGE APPLICATIONS		Coffee Break
15:50									
16:00	Marek Hejda	DEFORMATION MICROMECHANICS OF GLASS-FIBRE REINFORCED COMPOSITES		Ahmad A. Alawar	High Temperature Strength and Creep of an Al Conductor with a Hybrid Composite Core	Riyad S. Aboutaha	Innovative hybrid wearing surfaces for FRP bridge decks		(Spare)
16:10									
16:20	Edith Maeder	SURFACE NANOSTRUCTURED COMMINGLED YARNS FOR EFFECTIVE COMPOSITE PROPERTIES		Ha Na Yu	Optimum design of aramid-phenolic/glass-phenolic composite journal bearing	João Francisco Silva	STUDY OF THE FILAMENT WOUND COMPOSITE PIPES DAMAGE		(Spare)
16:30									
16:40	Junqing Li	Study on carbon fiber surface modified by γ-ray irradiation			Break	Balazs Zsigmond	Composite Chimneys		(Spare)
16:50									
17:00		Break					Break		Break
17:10									
17:20 --									
18:00-- 19:30		Farewell Beer and "Sake" Party			at Restaurant "Sakura"				

Date: 07/7/11	(Wed.)	Poster Session		Room B-1		Poster Session		Room B-1	
	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	
Time: 14:40 --		Mechanical Analysis and Modeling		Green and Biodegradable Composites		Metal Matrix and Cermic Matrix Composites		Joints and Junction	
	Satoshi Kobayashi	EXPERIMENTAL AND ANALYTICAL CHARACTERIZATION OF SILICONCABIDE FIBER-REINFORCED PLASTICS	Miren Nekane Ichazo	CURING AND PHYSICAL PROPERTIES OF NATURAL RUBBER/CASSAVA STARCH BLENDS	Chung - Gil Kang	Fabrication and characterization of aluminum based nano-micro hybrid metal matrix composites	Yi Xiao	SMART APPROACH TO DETERMINE DAMAGE GROWTH IN MECHANICALLY FASTENED JOINTS	
	Chang Jun Jie	Evaluation of intrefacial behavior if composite materials on ultrasonic wave propagation	Takeru Kagawa	EFFECT OF DRAWING ON THE FRACTURE BEHAVIOR OF HA/PLLA BIOCOMPOSITE MATERIAL	Makoto Kobashi	Influence of precursor preparation on cell structure of porous Ti composite	Luke P. Djukic	Creep in bonded composite joints	
	Pengcheng Cheng	Effect of local stresses on fatigue life of patched composite panels	Inaki Mondragon	CELLULOSE MICROFIBRILS BIONANOCOMPOSITES. MECHANICAL AND RHEOLOGICAL PROPERTIES	Shenq-Yih Luo	FABRICATION FOR MICRO PATTERNS OF NICKEL MATRIX DIAMOND COMPOSITES USING THE COMPOSITE ELECTROFORMING AND UV-LITHOGRAPHY	Bhavesh A. Patel	TESTING OF GFRP COMPOSITES WRAPPED OVER EXTERIOR BEAM-COLUMN JUNCTION	
	Shutian Liu	TEMPERATURE-DEPENDENT VISCOELASTIC PROPERTIES OF UNIDIRECTIONAL COMPOSITE MATERIALS	Thomas Wittek	PROCESSING AND MECHANICAL PROPERTIES OF BIODEGRADABLE STARCH-BASED RESIN REINFORCED WITH NATURAL MINERAL FIBRES	Wen-Chou Tsai	SYNTHESIS OF 0.95MgTiO3-0.05CaTiO3 CERAMICS BY REACTION-SINTERING	Junqing Zhao	THE RESEARCH ON COMPATIBILITY OF INTERFACE DEFORMATION BETWEEN ALUMINUM ALLOY AND COMPOSITE MATERIAL	
	Jae Youl Lee	SIMULATION OF LOW VELOCITY IMPACT OF SANDWICH PANELS APPLIED TO KOREAN LOW FLOOR BUS USING LS-DYNA			Burak Dikici	THE EFFECT OF T8 TREATMENT ON CORROSION BEHAVIOR OF Al—SiCp MMCs	Milan Ruzicka	INTEGRATED HIGH PERFORMANCE JOINT IN COMPOSITE VESSELS	
	Zbigniew Pedzich	THE MICROSTRUCTURE AND WEIBULL STATISTIC OF ALUMINA-WC PARTICULATE COMPOSITES			Yoshihiro Kobayashi	Fabrication of nitride ceramics composite by reactive infiltration			
	Chang Liang Zheng	MECHANICAL PROPERTYIES OF MAGNESIUM ALLOY SHEET REINFORCED BY UNIDIRECTIONAL CARBON FIBER		Nanocomposites	Wenbo HAN	THE EFFECT OF ALN AS SINTERING AIDS ON MICROSTRUCTURE AND PROPERTIES OF ZRB2 BASED COMPOSITE			
	Andrew Byun	PROGRESSIVE DAMAGE OF RANDOMLY ORIENTED SHORT FIBER REINFORCED COMPOSITES	Zhidong Han	Thermal Stability and Combustion Behaviors of LLDPE/silica Nanocomposites					
					A poster panel size is 90cm in width by 210cm in height. A presenter can put his poster at any time from Monday afternoon in Room B-1. He (she) must remove it by 17:00 on Thursday.		During the assigned time zone (Wednesday: 14:40-15:40), the presenter shall stand by his (her) poster and explain the content.		
15:40 ---		General Assembly				General Assembly			

Date: 07/7/11	(Wed.)	Poster Session		Room B-1		Poster Session		Room B-1	
	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
Time: 14:40 --		Multifunctional Composites and Physical Properties		Hybrid Composites and Polymer Blending		Aircraft Structures		Fatigue
	Jens Chr. Rauhe	Electromechanical testing of carbon fibers	Chu K Ong	Preparation and Characterization of Polyethylene/Polypyrrole-coated Calcium Silicate Composites	Wu Hao	Multiple Frequencies Optimization of Composite Wing Flutter Model	Simone Giancane	A STUDY ON FATIGUE DAMAGE OF LONG FIBER EPOXY COMPOSITE LAMINATES
	Wei--hua Xie	AN IMPROVED DIAGNOSTIC METHOD FOR DETECTION OF BOLT LOOSENING IN THERMAL PROTECTION PANELS	Marianella Hernández	FRACTURE BEHAVIOR OF POLYPROPYLENE/ELASTOMER BLENDS				
	Xin L. Lan	Investigation of the Mechanical Behaviors for Fiber Reinforced Shape Memory Polymer Composite	Carmen Rosales	EPDM/Polyolefin Nanocomposites TPVs		Interface		
	Shuang Liu	INVESTIGATION ON THERMAL MANAGEMENT FOR METALLIC FOAM SANDWICH MULTIFUNCTIONAL STRUCTURE TECHNOLOGY	Olga P. Grigoryeva	EFFECT OF PHYSICAL CROSS-LINKS ON STRUCTURE AND PROPERTIES OF MICROHETEROGENEOUS IONOMER-CONTAINING POLYMER BLENDS	Gad Marom	PROPAGATION OF 'POPCORN' FAILURE IN COMPOSITE PLATES BY MODE I DELAMINATION UNDER THE COMBINED EFFECT OF NON-UNIFORM HEATING AND ABSORBED MOISTURE		
	Victor N. Gulbin	TESTING OF THE RADIATION-PROTECTIVE COMPOSITE MATERIAL	Chin-Lung Chiang	PREPARATION, CHARACTERIRATION AND PROPERTIES OF NOVEL ORGANIC/INORGANIC EPOXY HYBRID				
			Rosestela Perera	Composites of PET and PBT/PP with Bentonite				
			Pingsheng Liu	Synthesis and characterization of waste polyethylene film-graft-acrylic acid/montmorillonite superabsorbent composite				
15:40 ---		General Assembly				General Assembly		

Floor Plan in KICH