

# PROGRAM AT A GLANCE

August 21(Sun)

Room	Lobby	303	304
08:30 - 09:00	<b>NAME BADGE</b> For security purposes, participants, accompanying person, and exhibitors must wear their name badges to access the room during the conference.		
09:00 - 10:00			
10:00 - 11:00			
11:00 - 12:00			
12:00 - 13:00			
13:00 - 14:00			
14:00 - 15:00			
15:00 - 16:00			
16:00 - 17:00	<b>REGISTRATION</b> Registration will be open August 21-26 in the lobby of 3 Floor.  <b>OPERATION TIME</b> - August 21(Sun), 16:00-19:00 - August 22(Mon) - 25(Thu), 07:30-18:00 - August 26(Fri), 07:30-15:30	<b>PREVIEW ROOM</b>	<b>SECRETARIAT OFFICE</b>
17:00 - 18:00			
18:00 - 19:00			
19:00 -			

Room	Halla A	Halla B	Samda A	Samda B	201A	202A	202B	203	301	303	401	402A
08:30 - 09:00	OPENING CEREMONY											
09:00 - 10:00	SCALA LECTURE H. Thomas Hahn											
	Break											
10:00 - 11:00	M01 Nanocomposites	M02 Symposium on "Multifunctional Composites for Energy Performance and Efficiency"	M03 Green Composites	M04 Applications of Composites	M05 High Performance Composites	M06 Joints and Bearing Behavior	M07 Polymer Composites with Shape Memory Function	M08 Nanocomposites and Polymer Nanocomposites including Carbon Nanotubes or Graphene	M09 Structural Response and Design	M10 Multi-functional Composites	M11 Processing and Manufacturing Technologies	M12 Damage and Fracture
11:00 - 12:00												
12:00 - 13:00	LUNCH											
13:00 - 14:00	PL1 Stephen W. Tsai		PL2 Yasuo Suga									
	PL3 Gerould K. Young		PL4 Shanyi Du									
	Break											
14:00 - 15:00	M13 Nanocomposites	M14 Symposium on "Multifunctional Composites for Energy Performance and Efficiency"	M15 Green Composites	M16 Applications of Composites	POSTER SESSION (3F Lobby)	M17 Joints and Bearing Behavior	M18 KASHMOS (Korean Aero-vehicle Structural Health Monitoring System)	M19 Nanocomposites and Polymer Nanocomposites including Carbon Nanotubes or Graphene	M20 Structural Response and Design	M21 Multi-functional Composites Smart Actuations and its Applications	M22 Processing and Manufacturing Technologies	M23 Damage and Fracture
15:00 - 16:00												
16:00 - 17:00	Break											
	M24 Nanocomposites	M25 Symposium on "Multifunctional Composites for Energy Performance and Efficiency"	M26 Green Composites	M27 Applications of Composites	M28 High Performance Composites / Sensing and Interfacial properties of Nanocomposites	M29 Metal Matrix Composites	M30 Tsai award	M31 Fibres, Matrices and Interfaces	M32 Structural Re- sponse and Design	M33 Smart Actuations and its Applications / Smart Structure and Materials	M34 Processing and Manufacturing Technologies	M35 Damage and Fracture
17:00 - 18:00												
18:00 - 19:00												
19:00 -	WELCOME RECEPTION (Ocean View, 5F)											

# PROGRAM AT A GLANCE

August 23(Tue)

Room	Halla A	Halla B	Samda A	Samda B	201A	202A	202B	203	301	303	401	402A
08:30 - 09:00	PL5 Jim C.I. Chang		PL6 Peter Cheng (Paul Hibbard)									
09:00 - 10:00	Break											
10:00 - 11:00	T01 Nanocomposites	T02 Symposium on “Multifunctional Composites for Energy Performance and Efficiency”	T03 Composite Materials from Biorenewable Resources	T04 Applications of Composites	T05 Energy Technology Applications	T06 Metal Matrix Composites	T07 Structural Health Monitoring and Management (SHM)	T08 Fibres, Matrices and Interfaces	T09 Impact and Dynamic Response	T10 Intelligent textiles and composites	T11 Processing and Manufacturing Technologies	T12 Damage and Fracture
11:00 - 12:00	Break											
12:00 - 13:00	T13 Nanocomposites	T14 Symposium on “Multifunctional Composites for Energy Performance and Efficiency”	T15 Green Composites	T16 Nano-particle Reinforced Polymer Composites for Engineering Applications	T17 Durability and Aging	T18 Metal Matrix Composites	T19 Structural Health Monitoring and Management (SHM)	T20 Fibres, Matrices and Interfaces	T21 Impact and Dynamic Response	T22 Intelligent textiles and composites	T23 Processing and Manufacturing Technologies	T24 Damage and Fracture
13:00 - 14:00	LUNCH											
	PL7 Les Lee		PL8 Frederique Mutel									
14:00 - 15:00	Break											
15:00 - 16:00	T25 Nanocomposites	T26 Symposium on “Multifunctional Composites for Energy Performance and Efficiency”	T27 Durability of Polymer Matrix Composites	T28 Application of Composites	POSTER SESSION (3F Lobby)	T29 Metal Matrix Composites	T30 Structural Health Monitoring and Management (SHM)	T31 Fibres, Matrices and Interfaces	T32 Impact and Dynamic Response	T33 Mechanical and Physical Properties	T34 Processing of Out-of-autoclave Prepregs	T35 Damage and Fracture
16:00 - 17:00	Break											
17:00 - 18:00	T36 Nanocomposites	T37 Symposium on “Multifunctional Composites for Energy Per- formance and Efficiency”	T38 Durability of Polymer Matrix Composites	T39 Nano Composite in Energy Applications	T40 Composite Materials from Biorenewable Resources/ Wood and paper	T41 Metal Matrix Composites	T42 Bio-inspired Com- posites	T43 Carbon Nanocomposites and Hybrid Ad- vanced Composites	T44 Impact and Dynamic Response	T45 Mechanical and Physical Properties	T46 Processing and Manufacturing Technologies	T47 Damage in Composites or Mechanical Properties
18:00 - 19:00												

Room	Halla A	Halla B	Samda A	Samda B	201A	202A	202B	203	301	303	401	402A
08:30 - 09:00	PL9 T-W Chou		PL10 Hiroshi Suemasu									
09:00 - 10:00	Break											
10:00 - 11:00	W01 Nanocomposites	W02 Textile Composites: 3D Preforming and Damage Tolerance	W03 Durability of Polymer Matrix Composites	W04 Aerospace Applications	W05 Research and Development of Green Composites	W06 Experimental Techniques	W07 Textile Composites	W08 Fibres, Matrices and Interfaces	W09 Structural behaviour of composites subjected to impact and blast / Impact and Dynamic Response	W10 Mechanical and Physical Properties	W11 Processing and Manufacturing Technologies	W12 Damage Tolerance and Impact Session
11:00 - 12:00												
12:00 - 13:00	Break											
	W13 Polymer Nanocomposites and Their Applications	W14 Textile Composites	W15 Durability of Polymer Matrix Composites	W16 Aerospace Applications	W17 Research and Development of Green Composites	W18 Experimental Techniques	W19 Textile Composites	W20 Fibres, Matrices and Interfaces / Experimental Characterization	W21 Impact and Dynamic Response	W22 Mechanical and Physical Properties	W23 Processing and Manufacturing Technologies	W24 Delamination and Interlaminar Reinforcement
13:00 - 14:00												
	LUNCH											
	PL11 Yapa D.S. Rajapakse		PL12 Kazuro Kageyama									
14:00 - 15:00	Break											
15:00 - 16:00	W25 Nanocomposites	W26 ONR SESSIONS - Research in Composites Materials and Sandwich Structures	W27 Durability of Polymer Matrix Composites	W28 Aerospace Applications	POSTER SESSION (3F Lobby)	W29 Full-field Measurements for Composites Testing	W30 Stability of Thin Walled Structures	W31 Biomedical Composites	W32 Textile Composites: 3D Preforming and Damage Tolerance	W33 Carbon and Ceramic Matrix Composites	W34 Processing and Manufacturing Technologies/ Thermoplastic Composite Materials	W35 Delamination and Interlaminar Reinforcement
16:00 - 17:00												
17:00 - 18:00	Break											
18:00 - 19:00	GENERAL ASSEMBLY											

# PROGRAM AT A GLANCE

August 25(Thu)

Room	Halla A	Halla B	Samda A	Samda B	201A	202A	202B	203	301	303	401	402A
08:30 - 09:00	PL13 Tia Benson Tolle		PL14 Yiu-Wing Mai									
09:00 - 10:00	Break											
10:00 - 11:00	Th01 Nanocomposites	Th02 ONR SESSIONS - Research in Composites Materi- als and Sandwich Structures	Th03 Green Composites	Th04 Numerical Methods in Composite Materials	Th05 Carbon and Ceramic Matrix Composites	Th06 High-precision Composites	Th07 Sandwich Technologies	Th08 Biomedical Composites	Th09 Multiscale Modeling and Simulation of Nanocomposites	Th10 Smart Composite Materials	Th11 New Advancements in Manufacturing Thermoplastic Fiber Reinforced Polymer Composites for Large-scale	Th12 Progressive Damage and Failure
11:00 - 12:00												
12:00 - 13:00	Break											
	Th13 Probabilistic Approaches and Design	Th14 ONR SESSIONS - Research in Composites Materials and Sandwich Structures	Th15 Natural Fiber Composite Materials	Th16 Infrastructure/ Life Cycle Analysis and Sustainability	Th17 Standardization	Th18 High-precision Composites	Th19 Lightweight sandwich plate with three-dimensional cores	Th20 Biomedical Composite Materials and Structures	Th21 High Performance and Sustainable Composite Materials	Th22 Intelligent textiles and composites/ Mechanical Properties and Mechanics of Short Fiber Composites	Th23 Modeling and simulation of composites manufacturing processes	Th24 Fatigue and Life Prediction of Composites
13:00 - 14:00	LUNCH											
	PL15 Scott White		PL16 Yong Jun Cho									
14:00 - 15:00	Break											
15:00 - 16:00	Th25 Polymer Nanocomposites	Th26 ONR SESSIONS - Research in Composites Materials and Sandwich Structures	Th27 Natural Fiber Composite Materials/ Green Composites	Th28 Biocomposites: Synthesis, Processing, Performance and Applications of Biobased Composite Materials (Co-Sponsored with BIRN)	POSTER SESSION (3F Lobby)	Th29 High-precision Composites/ Stength & Life Prediction for Composites	Th30 Lightweight sandwich plate with three-dimensional cores	Th31 Biomedical Composite Materials and Structures	Th32 High Performance and Sustainable Composite Materials	Th33 Micromechanics of Composites and Heterogeneous Materials: Multiscale Modeling and Homogenization	Th34 Manufacturing Processes for Composite Materials	Th35 Progressive Damage and Failure
16:00 - 17:00												
	Break											
17:00 - 18:00	Th36 Polymer Matrix Composites	Th37 ONR SESSIONS - Research in Composites Materials and Sandwich Structures	Th38 Natural Fibre Composites	Th39 Biocomposites: Synthesis, Processing, Performance and Applications of Biobased Composite Materials (Co-Sponsored with BIRN)	Th40 Applications of Composites	Th41 Multiscale Modeling of Composites : from Molecular Scale to Structures	Th42 Sandwich Materials and Structures	Th43 NDE Technologies /Non-Destructive Evaluation	Th44 High Performance and Sustainable Composite Materials	Th45 Micromechanics of Composites and Heterogeneous Materials: Multiscale Modeling and Homogenization	Th46 Manufacturing Processes for Composite Materials	Th47 Progressive Damage and Failure
18:00 - 19:00	Break											
19:00 -	BANQUET (Tamna Hall,5F)											

Room	Halla A	Halla B	Samda A	Samda B	201A	202A	202B	203	301	303	401	402A
08:30 - 09:00	PL17 Jong-Dae Lim		PL18 Zhong Zhang									
09:00 - 10:00	Break											
10:00 - 11:00	F01 Others	F02 Manufacturing Processes for Composite Materials/ Processing and Manufacturing Technologies	F03 Simulation-Based Design and Optimization	F04 Composite Joints	F05 Fatigue and Life Prediction of Composites	F06 KASSAT (Korean Aero-vehicle Smart Skin Antenna Technology) & FMAV (Flapping Micro Air Vehicle)	F07 Sandwich Materials and Structures	F08 Non-Destructive Evaluation	F09 Carbon and Ceramic Matrix Composites	F10 Multi-scale Modeling II	F11 Analysis of Dental Composite Restoration	F12 Metal Matrix Composites
11:00 - 12:00	Break											
12:00 - 13:00	F13 Repair Technologies	F14 Modeling and simulation of composites manufacturing processes	F15 Investigation on Advanced Reinforcement Fibres and Matrices	F16 Multiscale Modeling and Simulation of Nanocomposites/ Multi-scale Modeling	F17 Fatigue and Life Prediction of Composites	F18 KASSAT(Korean Aero-vehicle Smart Skin Antenna Technology) & FMAV (Flapping Micro Air Vehicle)	F19 Sandwich Materials and Structure	F20 Energy Technology Applications	F21 Carbon and Ceramic Matrix Composites	F22 Multi-scale Modeling II	F23 Health Monitoring	F24 Metal Matrix Composite
13:00 - 14:00	LUNCH											
14:00 - 15:00	F25 Processing, Property and Analysis of Carbon Nanotube/Polymer Composites	F26 Modeling and simulation of composites manufacturing processes	F27 Simulation-Based Design and Optimization	F28 Carbon Nanofibers	F29 Fatigue and Life Prediction of Composites	F30 Recycling	F31 Energy Technology Applications	F32	F33 Carbon and Ceramic Matrix Composites	F34 Stength & Life Prediction for Composites	F35 Applications of Composites	F36 Metal Matrix Composites
15:00 - 16:00												