

# PROGRAM AT A GLANCE

**MONDAY, JUNE 23<sup>rd</sup>, 2014**

START	END	R1 SEVILLA 1	R2 SEVILLA 2	R3 SEVILLA 3	R4 ANDALUCIA 1-2	R5 ANDALUCIA 3-4	R6 ANDALUCIA 5	R7 ANDALUCIA 6-7	R8 ANDALUCIA 8	R9 ESPAÑA 1	R10 ESPAÑA 2	R11 ESPAÑA 3	R12 ESPAÑA 4	R13 ESPAÑA 5	R14 GIRALDA	R15 PCA	R16 PCB
8:00	8:30	Registration Registration Desk in Atrio II of the Conference Venue															
8:30	9:00	Opening Ceremony Rooms: Sevilla (1,2 and 3)															
9:00	9:50	Plenary Lecture I: Challenges in Bringing Composites to Large-Scale Aerospace Production—The 787 Dreamliner Thomas Tsotsis [BOEING]   Rooms: Sevilla (1,2 and 3)															
Session 23.1			M.1/8		SACOPNC.1/3	AADFDT.1/4	RGACFC.1/4	MBOTRAPOTC.1/7	AA.1/4	FOC.1/8	DAILR.1/4	CAD.1/2	SD.1/5	NMITCOBAPOCM.1/7	CUDL.1/7	P.1/22	P.12/22
10:00	11:20		T.S. Manufacturing		T.S. Synthesis and Characterization of Polymeric Nanocomposites	T.S. Analysis and Design for Damage Tolerance	T.S. Recycling Glass and Carbon Fibre Composites	T.S. Mechanical Behaviour of Textile Reinforcements and Performance of Textile Composites	T.S. Automotive Applications	T.S. Fatigue of Composites	T.S. Delamination and Interlaminar Reinforcements	G.S. Cutting and Drilling	G.S. Structural Design	T.S. Numerical Modelling in the Characterization of Behaviour and Properties of Composite Materials	T.S. Composites Under Dynamic Loading		Poster Sessions
11:20	11:50	Coffee break															
Session 23.2		JAJ.1/8	M.2/8	IMC.1/5	SACOPNC.2/3	AADFDT.2/4	RGACFC.2/4	MBOTRAPOTC.2/7	AA.2/4	FOC.2/8	DAILR.2/4	CAD.2/2	SD.2/5	NMITCOBAPOCM.2/7	CUDL.2/7	P.2/22	P.13/22
11:50	13:10	T.S. Joining and Joints	T.S. Manufacturing	T.S. Inorganic Matrix Composites	T.S. Synthesis and Characterization of Polymeric Nanocomposites	T.S. Analysis and Design for Damage Tolerance	T.S. Recycling Glass and Carbon Fibre Composites	T.S. Mechanical Behaviour of Textile Reinforcements and Performance of Textile Composites	T.S. Automotive Applications	T.S. Fatigue of Composites	T.S. Delamination and Interlaminar Reinforcements	G.S. Cutting and Drilling	G.S. Structural Design	T.S. Numerical Modelling in the Characterization of Behaviour and Properties of Composite Materials	T.S. Composites Under Dynamic Loading		Poster Sessions
13:10	14:30	Lunch															
14:30	15:15	Keynote Lecture I: The impact behavior of composites and sandwich structures Wesley Cantwell   Room: Sevilla 1					Keynote Lecture II: Hierarchical or Fibre Reinforced Nano-Composites: An opportunity to improve matrix dominated composite properties Alexander Bismarck   Room: Sevilla 2					Keynote Lecture III: Prediction of initiation and growth of cracks in composites. Coupled stress and energy criterion of the Finite Fracture Mechanics Vladislav Mantić   Room: Sevilla 3					
Session 23.3		JAJ.2/8	M.3/8	IMC.2/5	SACOPNC.3/3	AADFDT.3/4	RGACFC.3/4	MBOTRAPOTC.3/7	AA.3/4	FOC.3/8	DAILR.3/4	CC.1/2	SD.3/5	NMITCOBAPOCM.3/7	CUDL.3/7	P.3/22	P.14/22
15:20	16:40	T.S. Joining and Joints	T.S. Manufacturing	T.S. Inorganic Matrix Composites	T.S. Synthesis and Characterization of Polymeric Nanocomposites	T.S. Analysis and Design for Damage Tolerance	T.S. Recycling Glass and Carbon Fibre Composites	T.S. Mechanical Behaviour of Textile Reinforcements and Performance of Textile Composites	T.S. Automotive Applications	T.S. Fatigue of Composites	T.S. Delamination and Interlaminar Reinforcements	G.S. Cellulose Composites	Structural Design	T.S. Numerical Modelling in the Characterization of Behaviour and Properties of Composite Materials	T.S. Composites Under Dynamic Loading		Poster Sessions
16:40	17:10	Coffee break															
Session 23.4		JAJ.3/8	M.4/8	IMC.3/5	ESCM Council Meeting	AADFDT.4/4	RGACFC.4/4	MBOTRAPOTC.4/7	AA.4/4	FOC.4/8	DAILR.4/4	CC.2/2	SD.4/5	NMITCOBAPOCM.4/7	CUDL.4/7		
17:10	18:30	T.S. Joining and Joints	T.S. Manufacturing	T.S. Inorganic Matrix Composites		T.S. Analysis and Design for Damage Tolerance	T.S. Recycling Glass and Carbon Fibre Composites	T.S. Mechanical Behaviour of Textile Reinforcements and Performance of Textile Composites	T.S. Automotive Applications	T.S. Fatigue of Composites	T.S. Delamination and Interlaminar Reinforcements	G.S. Cellulose Composites	Structural Design	T.S. Numerical Modelling in the Characterization of Behaviour and Properties of Composite Materials	T.S. Composites Under Dynamic Loading		
21:30	-	Welcome cocktail Chancellor's Office (Rectorado) of the University of Seville															

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9:00	9:50	<b>Plenary Lecture II: Current advances, needs and future challenges in high-volume automotive composite structures</b> Christophe Aufferer [FAURECIA]   Rooms: Sevilla (1,2 and 3)															
<b>Session 24.1</b>			M.5/8		GRNCAA.1/3	BAPB.1/2	CNT.1/3	MBOTRAPOTC.5/7	LCMT.1/3	FOC.5/8	AFOSR.1/3	SHFC.1/6	SD.5/5	NMITCOBAPOCM.5/7	CUDL.5/7	P.4/22	P.15/22
10:00	11:20		T.S. Manufacturing		T.S. Graphene-Related Nanocomposites and Applications	G.S. Buckling and Postbuckling	G.S. Carbon Nanotubes	T.S. Mechanical Behaviour of Textile Reinforcements and Performance of Textile Composites	T.S. Liquid Composite Moulding Techniques	T.S. Fatigue of Composites	T.S. Workshop on Impact of Multifunctionality on Damage Evolution in Composite Materials	T.S. Short Fibre Composites	G.S. Structural Design	T.S. Numerical Modelling in the Characterization of Behaviour and Properties of Composite Materials	T.S. Composites Under Dynamic Loading		Poster Sessions
11:20	11:50	Coffee break															
<b>Session 24.2</b>		JAJ.4/8	M.6/8	IMC.4/5	GRNCAA.2/3	BAPB.2/2	CNT.2/3	MBOTRAPOTC.6/7	LCMT.2/3	FOC.6/8	AFOSR.2/3	SHFC.2/6	DAAC.1/2	NMITCOBAPOCM.6/7	CUDL.6/7	P.5/22	P.16/22
11:50	13:10	T.S. Joining and Joints	T.S. Manufacturing	T.S. Inorganic Matrix Composites	T.S. Graphene-Related Nanocomposites and Applications	G.S. Buckling and Postbuckling	G.S. Carbon Nanotubes	T.S. Mechanical Behaviour of Textile Reinforcements and Performance of Textile Composites	T.S. Liquid Composite Moulding Techniques	T.S. Fatigue of Composites	T.S. Workshop on Impact of Multifunctionality on Damage Evolution in Composite Materials	T.S. Short Fibre Composites	G.S. Durability, Ageing and Creep	T.S. Numerical Modelling in the Characterization of Behaviour and Properties of Composite Materials	T.S. Composites Under Dynamic Loading		Poster Sessions
13:10	14:30	Lunch															
<b>Session 24.3</b>		JAJ.5/8	M.7/8	IMC.5/5	GRNCAA.3/3	LI.1/1	CNT.3/3	MBOTRAPOTC.7/7	LCMT.3/3	FOC.7/8	AFOSR.2/3	SHFC.3/6	DAAC.2/2	NMITCOBAPOCM.7/7	CUDL.7/7	P.6/22	P.17/22
14:30	15:50	T.S. Joining and Joints	T.S. Manufacturing	T.S. Inorganic Matrix Composites	T.S. Graphene-Related Nanocomposites and Applications	G.S. Lightning Impact	G.S. Carbon Nanotubes	T.S. Mechanical Behaviour of Textile Reinforcements and Performance of Textile Composites	T.S. Liquid Composite Moulding Techniques	T.S. Fatigue of Composites	T.S. Workshop on Impact of Multifunctionality on Damage Evolution in Composite Materials	T.S. Short Fibre Composites	G.S. Durability, Ageing and Creep	T.S. Numerical Modelling in the Characterization of Behaviour and Properties of Composite Materials	T.S. Composites Under Dynamic Loading		Poster Sessions
15:50	16:50	Coffee break and Composites in Aerospace Structures Exhibition School of Engineering of the University of Seville															
16:50	18:20	<b>Roundtable: The Future of Composites</b> Auditorium of the School of Engineering of the University of Seville															
18:20	-	<b>General Assembly</b> Auditorium of the School of Engineering of the University of Seville															

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9:00	9:50	<b>Plenary Lecture III: Composites in the Aerospace Sector: Technological Excellence through Innovation as key factor for Competitiveness — the A400M</b> Miguel Angel Morell [AIRBUS]   Rooms: Sevilla (1,2 and 3)																
Session 25.1			M.8/8		LS.1/3	EPOCFRC.1/2	SHM.1/4	MFC.1/4	ET.1/2	FOC.8/8	CIF.1/4	SHFC.4/6	ACS.1/4	POTC.1/4	MAFM.1/7	P.7/22	P.18/22	
10:00	11:20		T.S. Manufacturing		T.S. Lattice Structures	T.S. Electrical Properties of Continuous Fibre Reinforced Composites	T.S. Structural Health Monitoring	T.S. Multifunctional Composites	G.S. Experimental Techniques	T.S. Fatigue of Composites	T.S. Composites in Fire	T.S. Short Fibre Composites	T.S. Advanced Computational Strategies	T.S. Processing of Thermoplastic Composites	T.S. Micromechanics and Failure Mechanisms		Poster Sessions	
11:20	11:50	Coffee break																
Session 25.2		JAJ.6/8	FADOC.1/5	NC.1/4	LS.2/3	EPOCFRC.2/2	SHM.2/4	MFC.2/4	ET.2/2	BACA.1/2	CIF.2/4	SHFC.5/6	ACS.2/4	POTC.2/4	MAFM.2/7	P.8/22	P.19/22	
11:50	13:10	T.S. Joining and Joints	T.S. Fracture and Damage of Composites	G.S. Natural Composites	T.S. Lattice Structures	T.S. Electrical Properties of Continuous Fibre Reinforced Composites	T.S. Structural Health Monitoring	T.S. Multifunctional Composites	G.S. Experimental Techniques	G.S. Building and Civil Applications	T.S. Composites in Fire	T.S. Short Fibre Composites	T.S. Advanced Computational Strategies	T.S. Processing of Thermoplastic Composites	T.S. Micromechanics and Failure Mechanisms		Poster Sessions	
13:10	14:30	Lunch																
14:30	15:15	<b>Keynote Lecture IV: Composites manufacturing overview of current advances and challenges for the future</b> Christophe Binetruy   Room: Sevilla 1					<b>Keynote Lecture V: A damage-based approach to the fatigue of composites</b> Marino Quaresimin   Room: Sevilla 2					<b>Keynote Lecture VI: The World-Wide Failure Exercises: How can composites design and manufacture communities build their strengths</b> Sam Kaddour   Room: Sevilla 3						
Session 25.3		JAJ.7/8	FADOC.2/5	IMC.2/5	LS.3/3	NDET.1/1	SHM.3/4	MFC.3/4	ASA.1/2	BACA.2/2	CIF.3/4	SHFC.6/6	ACS.3/4	POTC.3/4	MAFM.3/7	P.9/22	P.20/22	
15:20	16:40	T.S. Joining and Joints	T.S. Fracture and Damage of Composites	T.S. Inorganic Matrix Composites	T.S. Lattice Structures	G.S. NDE Technologies	T.S. Structural Health Monitoring	T.S. Multifunctional Composites	G.S. Aerospace Applications	G.S. Building and Civil Applications	T.S. Composites in Fire	T.S. Short Fibre Composites	T.S. Advanced Computational Strategies	T.S. Processing of Thermoplastic Composites	T.S. Micromechanics and Failure Mechanisms		Poster Sessions	
16:40	17:10	Coffee break																
Session 25.4		JAJ.8/8	FADOC.3/5	IMC.3/5	ESCM Council Meeting	WC.1/3	SHM.4/4	MFC.4/4	ASA.2/2	DAMONC.1/3	CIF.4/4	BC.1/1	ACS.4/4	POTC.4/4	MAFM.4/7			
17:10	18:30	T.S. Joining and Joints	T.S. Fracture and Damage of Composites	T.S. Inorganic Matrix Composites		G.S. Woven Composites	T.S. Structural Health Monitoring	T.S. Multifunctional Composites	G.S. Aerospace Applications	T.S. Damage and Mechanics of Nanocomposites	T.S. Composites in Fire	G.S. Biocompatible Composites	T.S. Advanced Computational Strategies	T.S. Processing of Thermoplastic Composites	T.S. Micromechanics and Failure Mechanisms			
21:30	-	<b>Gala dinner</b> Plaza de España																

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9:00	9:50	<b>Plenary Lecture IV: The Albert Cardon Lecture</b> Rooms: Sevilla (1,2 and 3)															
Session 26.1			FADOC.4/5		EE.1/2	WC.2/3	FFMARA.1/2	SS.1/2	STAC.1/1	DAMONC.2/3	DP.1/1	FHC.1/2	JOTC.1/2	BFC.1/1	CI.1/2	P.10/22	P.21/22
10:00	11:20		T.S. Fracture and Damage of Composites		T.S. Environmental Effects	G.S. Woven Composites	T.S. Finite Fracture Mechanics and Related Approaches	G.S. Sandwich Structures	G.S. Surface Treatments and Coatings	T.S. Damage and Mechanics of Nanocomposites	G.S. Dielectric Properties	T.S. Fibre Hybrid Composites	T.S. Joining of Thermoplastic Composites	G.S. Basalt Fibre Composites	T.S. Composite Interfaces		Poster Sessions
11:20	11:50	Coffee break															
Session 26.2		SHC.1/1	FADOC.5/5	NC.4/4	EE.2/2	WC.3/3	FFMARA.2/2	SS.2/2	TLATP.1/1	DAMONC.3/3	STFC.1/1	FHC.2/2	JOTC.2/2	GALCA.1/1	CI.2/2	P.11/22	P.22/22
11:50	13:30	G.S. Self-Healing Composites	T.S. Fracture and Damage of Composites	G.S. Natural Composites	T.S. Environmental Effects	G.S. Woven Composites	T.S. Finite Fracture Mechanics and Related Approaches	G.S. Sandwich Structures	G.S. Thermal Loads and Thermal Properties	T.S. Damage and Mechanics of Nanocomposites	G.S. Steel Fibre Composites	T.S. Fibre Hybrid Composites	T.S. Joining of Thermoplastic Composites	G.S. Green Composites and Life Cycle Assessment	T.S. Composite Interfaces		Poster Sessions
13:30	14:50	Lunch															