

8:00-8:30

8:30-9:00

Registration and collection of documentation

9:00-10:30	Parallel Session 3A: 9.PLM			Parallel Special Session 3B: Industrial 3D Printing		
	Chairs: E.Cuesta, M.Marcos		Session Secretary: M. Martí	Chairs: J. Minguela, A. Lamikiz		Session Secretary: N. Esteban
	Speaker name	Title of the Paper	Affiliation	Speaker Name	Title	Affiliation
9:00-9:15	Gilkerson, Ian T. and Arista, Rebeca	A review of PLM impact on US and EU Aerospace Industry	Boeing, Airbus	Uceda Molera, Roger	"Open innovation disrupting personal manufacturing"	BCN3D Technologies
9:15-9:30	Oliva, Manuel	PLM based approach to the industrialization of aeronautical assemblies	Airbus			
9:30-9:45	Arista, Rebeca	Manufacturing of custom-made parts for assembly of large components	Airbus	Bereterbide, Iñigo	"Metals Additive Manufacturing – Design for Process"	Renishaw
9:45-10:00	Barreiro García, Joaquín	Categorization of Inspection Elements in Coordinates Measurement for a KBE Implementation	Universidad de León			
10:00-10:15	Rosado Castellano, Pedro	Ontological-based validation of selected technological resources in integrated machining and inspection process planning	Universitat Politècnica de Valencia			
10:15-10:30	Vila Pastor, Carlos	An approach to Sustainable Product Lifecycle Management (Green PLM)	Universitat Jaume I	Del Fresno, David	"3D Printing: Additive Manufacturing in the world of industry"	Integral PLM Experts

Coffee & Poster Session 2 - PLM VENDOR SOFTWARE DEMO

10:30-11:00

11:00-11:30

11:30-12:00

12:00-12:30

Key Note Session 2: Alain Bernard (EC Nantes) -Confirmed + George-Eric Mouffe (Airbus Helicopters) -Confirmed

12:30-14:00	Parallel Session 4A: 6. Industrial metrology			Parallel Special Session 4B: Industrial PLM		
	Chairs: L. Sevilla, J. Aguilar		Session Secretary: G. Seoane	Chairs: A.Soubeyran, F.Mas		Session Secretary: G. Casas
	Speaker name	Title of the Paper	Affiliation	Speaker Name	Title	Affiliation
12:30-12:45	Brosed Dueso, Francisco Javier	Geometrical verification based on a laser triangulation system in industrial environment. Effect of the image noise in the measurement results	Universidad de Zaragoza	Gilkerson, Ian T.	"The Evolution of Configurable Manufacturing Assemblies into today's complex CAD, EBOM and MBOM"	BOEING
12:45-13:00	Valiño Riestra, Gonzalo	Influence of Surface Location within Depth of Field on Measuring by a Conoscopic Holography Sensor Integrated in a Machining Centre	Universidad de Oviedo			
13:00-13:15	Núñez López, Pedro José	Dimensional and surface texture characterization in Fused Deposition Modelling (FDM) with ABS plus	Universidad de Castilla-La Mancha	Gegaden, Tristan	"PLM and digitalization of manufacturing"	AIRBUS GROUP
13:15-13:30	Caja García, Jesús	Influence of probability density functions (PDF) in indirect measurements with optical coordinate measurement machines	Universidad Politécnica de Madrid			
13:30-13:45	Mutilba Larrea, Unai	Volumetric error mapping and compensation for Machine Tools	IK4-TEKNIKER			
13:45-14:00	Calvo Irazo, Roque	A comparative experimental study of CMM performance under least-squares and minimum zone geometry fittings for industrial measuring	Universidad Politécnica de Madrid	Thiard, François	"Next Generation Product Lifecycle Management"	AIRBUS Defense & Space

14:00-14:30

14:30-15:00

Lunch

15:00-17:00	Parallel Session 5A: 12. Industrial quality and quality management 13. Teaching and learning in manufacturing engineering			Parallel Special Session 5B: Industrial PLM		
	Chairs: A. Sanz, C. González		Session Secretary: M.A. Rosendo	Chairs: T. Gegaden, C. Vallengano		Session Secretary: M. Prats
	Speaker name	Title of the Paper	Affiliation	Speaker Name	Title	Affiliation
15:00-15:15	Cuifas Velázquez, Daniel	Use of single board computers as Smart Sensors for manufacturing industry	Universitat Politècnica de Catalunya NIFES Consulting Group Coventry University	Masqué i Barri, Simó	"From Design / Concept to Virtual Reality - Virtual Hot Forming Engineering"	ESI Group
15:15-15:30	Gil Del Val, Alain	Experimental study of tap wears on nodular cast iron	Universidad de Navarra			
15:30-15:45	Calvo Irazo, Roque	A collaborative method of enhancing internships evaluation through stakeholders' alignment	Universidad Politécnica de Madrid	Garrido, Josep Vicenç	"Creating bridges between the virtual and the physic product. Internet of Things (IoT) is the new reality"	PTC - Integral PLM Experts
15:45-16:00	Maresca, Piera	Academic Learning Platform for Practical Classes: a learning model in Manufacturing Engineering	Universidad Politécnica de Madrid			
16:00-16:15	Peña Miñano, Sergio	Manufacturing to motorsport by students	Universitat Politècnica de València			
16:15-16:30	Perdikakis, Apostolos	Introducing augmented reality in next generation learning tools: a case study on electric and hybrid vehicles	Escuela Politécnica Federal de Lausana	Mera Alonso, Fernando	"Realize Innovation"	SIEMENS-PLM

17:00-17:30

Coffee & Poster Session 3 - PLM VENDOR SOFTWARE DEMO

17:30-19:30	Parallel Session 6A: 9.PLM			Parallel Special Session 6B: Technological Platforms		
	Chairs: J. Barreiro, E. Ares		Session Secretary: E. Rosendo	Chair: J. Pérez, P. Tamés		Session Secretary: B. El Oumari
	Speaker name	Title of the Paper	Affiliation	Speaker Name	Title	Affiliation
17:30-17:45	Bruscas Bellido, Gracia María	Application Feature Model for geometrical specification of assemblies	Universitat Jaume I	Pérez Bilbao, Joseba	MANU-KET presentation	Mondragón Corporation
17:45-18:00	Cuesta González, Eduardo	Development of a Force Sensor prototype integrated on a Coordinate Measuring Arm	Universidad de Oviedo - Escuela Politécnica de Ingeniería de Gijón			
18:00-18:15	Suelves, Arturo	Description of manufacturing operations in industrial robots of 6-axes via XML files	Universidad de Zaragoza	Antorrena, Guillermo	"Advanced Microscopy Services for Industrial Applications"	INA – Institute of Nanoscience of Aragon University of Zaragoza
18:15-18:30	Salcedo Pérez, Daniel	Design and optimization of the dies for the isothermal forging of a cam with submicrometric structure	Universidad de Navarra			
18:30-18:45	Anglada Izaguirre, Eva	Adjustment of a High Pressure Die Casting Simulation Model against Experimental Data	Tecnalia			
18:45-19:00	de Gregorio de Juan, Alfredo	Virtual manufacturing of composite part: chaining simulation of infusion and induced shape distortion	ESI	Guasch, Joan	PREVIEW "Advanced manufacturing of complex thermoplastic parts"	EURECAT - ASCAMM
19:00-19:15	Royo Vázquez, Emilio	Sensitivity analysis of frictional properties in organic coated sheets	Universidad de Zaragoza	Arrieta, Juan Antonio	"4ZDM Cluster on Zero-Defect Manufacturing. A joint initiative among EC-funded projects"	IK4 - IDEKO
19:15-19:30	Vidal, Gorka	Thermal analysis of creep feed grinding	Universidad del País Vasco			

19:30-20:00

20:00-20:30

20:30-21:00

OPTIONAL - PLM VENDOR SOFTWARE DEMO

Panoramic View of Barcelona by coach

Gala Dinner and Awards Ceremony

21:00 onwards