

Wednesday, June 17, 2026

TIME	EVENT	(+)
08:00 - 09:00	Welcome	
09:00 - 09:30	Opening speech	
09:30 - 10:00	Keynote - Lionel Roucoules	
10:00 - 10:15	Solutions hub tour - Guided visit of the solutions hub	
10:15 - 10:45	Coffee break	
10:45 - 12:25	Session 1.1.1 (Salle 21)	(+)
10:45 - 11:10	› "HoloMaia" Augmented Reality gesture simulation system for anxiety management in midwifery practical courses: Experimental protocol - <i>Clara Pérez de los Cobos Cintas, GSCOP, CNRS, Grenoble INP, LIG Sangria</i>	
11:10 - 11:35	› From Plant to Digital Twin: A VR-Based System for Waste-Treatment Training and Operational Support - <i>Felice Sfravara, Department of Engineering [Messina]</i>	
11:35 - 12:00	› Virtual Reality for Human-Centered Co-Design of Circular Manufacturing Systems - <i>Mathieu Delangle, Conception Systémique: Homme, Environnement, Technologies (COSYS)</i>	
11:35 - 12:00	› Users' Perspective on Alternative Freehand Interaction Modes in Virtual Reality Environments - <i>Sara Buonocore, University of Naples Federico II</i>	
10:45 - 12:25	Session 1.1.2 (Salle 22)	(+)
10:45 - 11:10	› Exploring environmental requirements in product development: meanings and operationalisation approaches - <i>Maïna Boudraa-Allée, Université de Technologie de Compiègne</i>	
11:10 - 11:35	› Functional modelling of pro-strong sustainability considerations integrated in a design process - <i>Serge Rohmer, Recherche interdisciplinaire Société Technologie Environnement - InSyTE</i>	
11:35 - 12:00	› Holistic Sustainability Product Design workflow Enabled by Simulation - <i>Nicolas MARTIN, Ansys France SAS</i>	
12:00 - 12:25	› Evaluation of propagated benefits - case study - <i>Nicolas Faber, Univ. Grenoble Alpes, CNRS, Grenoble INP, G-SCOP</i>	
10:45 - 12:25	Session 1.1.3 (Salle 23)	(+)
10:45 - 11:10	› A gradient-based optimisation strategy to recover optimal fibres-path for variable-stiffness composite structures - <i>Alexandre Mas, I2M - UMR 5295</i>	
11:10 - 11:35	› Topology and Multiphysics Optimization of Piezoelectric Materials for High-Performance Smart Structures - <i>Maxime WARNIER, Arts et Métiers Institute of Sciences and Technology, I2M CNRS UMR 5295</i>	
11:35 - 12:00	› Topology optimisation of continua made of materials with frequency-dependent properties - <i>Marco Montemurro, Arts et Métiers Sciences et Technologies, Institut Universitaire de France</i>	
12:00 - 12:25	› Topology Optimization-Driven Design for Weight and Cost Reduction of a Plastic Shower Base via Additive Manufacturing - <i>Chawagrit SURİYOTHIN, Rajamangala University of Technology Lanna</i>	
12:25 - 13:45	Lunch and demonstrations	
13:45 - 14:15	Focus on 3D experience (Salle 24) - Dassault System	
14:15 - 15:30	Session 1.2.1 (Salle 21)	(+)
14:15 - 14:40	› Material Exploration for AUV Pressure Hull Downsizing Using Additive Manufacturing - <i>Tanny Damet, Laboratoire Conception de Systèmes Mécaniques et Robotiques - EA 7398</i>	
14:40 - 15:05	› Reinforced additive manufacturing parts : Challenges & perspectives - <i>Mathis DUPUY, Laboratoire Conception de Systèmes Mécaniques et Robotiques - EA 7398, Naval Group, Agence de l'innovation de défense</i>	
15:05 - 15:30	› Towards updated indicators to assess laser-beam powder bed fusion through the lens of planetary boundaries - <i>Anne-lise Rias, Institut Pascal</i>	
14:15 - 15:30	Session 1.2.2 (Salle 22)	(+)
14:15 - 14:40	› A Multibody Parametric Model for the Clinical Analysis and Monitoring of Parkinson's Disease - <i>Giuliana Baiamonte, Department of Electric, Electronics and Computer Engineering</i>	
14:40 - 15:05	› A Semi-Automated Biomechanical Verification for the Geometric Design of Personalized Orthoses - <i>Wenxin HE, LAMIH UMR CNRS 8201</i>	
15:05 - 15:30	› Integrating Medical Imaging and Additive Manufacturing for Customized Cranial Implant Design - <i>Jose Manuel Cansing Plaza, Escuela Superior Politécnica del Litoral [Guayaquil]</i>	
14:15 - 15:30	Session 1.2.3 (Salle 23)	(+)

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14:15 - 14:40	› Comparative study of the dimensioning and tolerance analysis modules in several parametric 3D CAD applications - <i>Fernando Brusola, Ingeniería Gráfica Department, Universitat Politècnica de València</i>	
14:40 - 15:05	› Managing uncertainties in embodiment design: an application to an intervertebral implant - <i>Hanen OUESLATI, Institut de Mécanique et d'Ingénierie Bordeaux</i>	
15:05 - 15:30	› Toward a Comprehensive Understanding of General Tolerances in the ISO GPS System - <i>Edoardo Laciniati, DTG Department, University of Padova - Mattia Maltauro, ICEA Department, University of Padova, DII Department of Industrial Engineering, University of Padova - Roberto Meneghello, DTG Department, University of Padova - Gianmaria Concheri, ICEA Department, University of Padova</i>	
15:30 - 16:00	Coffee break	
16:00 - 17:15	Session 1.3.1 (Salle 21)	(+)
16:00 - 16:25	› AI-Powered Platform for Multi-Scale Parametric Reduced-Order Modeling in Manufacturing for Design of Composite Structures - <i>Julio César RAMIREZ CEBALLOS, ESTIA - Institute of technology, Université de Bordeaux</i>	
16:25 - 16:50	› CHRONOSPEDIA: An Open and Sustainable Heritage Archive of Horological Know-How - <i>Florent Laroche, Laboratoire des Sciences du Numérique - Frédéric Noël, Laboratoire des sciences pour la conception, l'optimisation et la production - Konstantin Protassov, Laboratoire de Physique Subatomique et de Cosmologie</i>	
16:50 - 17:15	› From Knowledge-Based to Learning-Based Product–Process Configuration: A Systematic Literature Review - <i>Tam Tran, Laboratoire des sciences pour la conception, l'optimisation et la production - Abdourahim Sylla, Laboratoire des sciences pour la conception, l'optimisation et la production - Bruno Agard, Laboratoire en Intelligence des Données, Polytechnique Montréal - Frédéric Noël, Laboratoire des sciences pour la conception, l'optimisation et la production</i>	
16:00 - 17:15	Session 1.3.2 (Salle 22)	(+)
16:00 - 16:25	› A Preliminary State of the Art on Context-Aware Decision Support System for Engineering Designers - <i>Adrien LENOIR, Université de Technologie de Compiègne, ECAM LaSalle - Lyon</i>	
16:25 - 16:50	› Requirements establishment of aero-engine assembly equipment based on thematic analysis method - <i>Benoît Eynard, Université de Technologie de Compiègne</i>	
16:50 - 17:15	› Tool for exploring a design space: case study of a problem with conflicting criteria - <i>Sarah Benshir - Caloustian, Univ. Grenoble Alpes, CNRS, Grenoble INP CNRS, G-SCOP, 38000 Grenoble, France</i>	
16:00 - 17:15	Session 1.3.3 (Salle 23)	(+)
16:00 - 16:25	› A Deep Simulation-based Investigation of Orientation-Dependent Geometrical Deviations in LPBF Industrial Components - <i>Mario Brandon Russo, University of Campania "Luigi Vanvitelli", Department of Engineering</i>	
16:25 - 16:50	› Targeted Corneal Cross-Linking: Toward Personalized Biomechanical Reinforcement in Ectatic Eyes - <i>José Sebastián Velázquez Blázquez, Department of Structures, Construction and Graphical Expression, Technical University of Cartagena. Bioengineering and Applied Computational Simulation Research Group, Technical University of Cartagena</i>	
16:50 - 17:15	› Towards precision spring design beyond stiffness: modeling diametral expansion, solid length, self-weight effects, and buckling - <i>Guillaume CADET, Labcom STRAIN, CGR International, Institut Clément Ader</i>	
18:30 - 23:30	Welcome Cocktail	

Thursday, June 18, 2026

TIME	EVENT	(+)
08:30 - 09:00	Welcome	
09:00 - 09:45	Keynote - <i>Didier Bardel - Framatome</i>	
09:45 - 10:30	Keynote - <i>Jean-François Carton - Safe Metal</i>	
10:30 - 11:00	Coffee break	
11:00 - 12:15	Session 2.1.1 (Salle 21)	(+)
11:00 - 11:25	› Evaluating the performance of natural textures for DIC measurements in additive manufacturing - <i>Khalil Hachem, LURPA</i>	
11:25 - 11:50	› Revisiting catchment efficiency and self regulation of the laser based DED with powder process by an in-operando monitoring results based model - <i>Maxime Rey, Institut National des Sciences Appliquées de Lyon</i>	
11:50 - 12:15	› Design CNC machine for DED process - <i>Anthony Dellarre, Smart Grenoble Alpes</i>	
11:00 - 12:15	Session 2.1.2 (Salle 22)	(+)
11:00 - 11:25	› A Digital Twin–Oriented Position–Force Mapping Framework for Precision Gear Assembly - <i>Heng Li, Northwestern Polytechnical University</i>	

TIME	EVENT	(+)
11:25 - 11:50	› Development of a High-Fidelity Physical Digital Twin of the Submarine Cables for Monitoring and Vibro-Dynamic Analysis Applications - <i>Giuseppe Laudani, Università degli studi di Catania = University of Catania, Laboratori Nazionali del Sud</i>	
11:50 - 12:15	› STUDY OF THE DIGITAL CONTINUITY IN PRODUCTION PROCESSES FOR A DIGITAL TWIN OF MANUFACTURED PARTS - <i>Valéry Wolff, Décision et Information pour les Systèmes de Production (DISP)</i>	
11:00 - 12:15	Session 2.1.3 (Salle 23)	(+)
11:00 - 11:25	› Experimental Testing of the PiCo2RAEE Platform for Circular Economy and Lifecycle Management in the EEE Sector - <i>Giorgia Pietroni, Università degli studi della Tuscia</i>	
11:25 - 11:50	› Sustainability and Circularity in Design for Additive Manufacturing and 4D Printing: A Preliminary State-of-the-Art - <i>Bertrand Marconnet, LabECAM, Laboratoire Roberval</i>	
11:50 - 12:15	› Toward the integration of resilience, raw material criticality and environmental assessment into the design of transition technologies - <i>Lucas Riondet, Arts et Métiers Sciences et Technologies, Institut de Mécanique et d'Ingénierie de Bordeaux</i>	
12:15 - 13:45	Lunch	
13:45 - 15:00	Session 2.2.1 (Salle 21)	(+)
13:45 - 14:10	› Analysis and Optimization of Robotic Additive Manufacturing Parameters for Improved Part Quality - <i>Enrico Dalpadulo, Università degli Studi di Modena e Reggio Emilia = University of Modena and Reggio Emilia</i>	
14:10 - 14:35	› Development of an iterative stochastic algorithmic method for calculating a 1-dimensional self-motion manifold of a 3-axis planar robot. - <i>Clément RACINET, LCFC, Laboratoire d'Ingénierie des Systèmes Physiques et Numériques, PolyFlyx</i>	
14:35 - 15:00	› Dynamic Multibody Modelling of a Modular Articulated Arm for Bridge Maintenance Operations - <i>Sebastiano Magnano, Electric, Electronics and Computer Engineering Department</i>	
13:45 - 15:00	Session 2.2.2 (Salle 22)	(+)
13:45 - 14:10	› Fine Registration of 3D Point Clouds via Differential Entropy: comparative evaluation with classical methods - <i>Emmanuele Barberi, Department of Engineering, University of Messina</i>	
14:10 - 14:35	› Graph-Based Learning for Correspondence Identification between Partial and Complete CAD Models - <i>Hicham Abiwakil, Arts et Métiers Paristech ENSAM Aix-en-Provence</i>	
14:35 - 15:00	› Human back 3D-scanning for personalized sports car-seat design - <i>Alessandro Naddeo, Department of Industrial Engineering, University of Salerno</i>	
13:45 - 15:00	Session 2.2.3 (Salle 23)	(+)
13:45 - 14:10	› Flexible Job Shop Scheduling with Stochastic Transportation: A Hybrid Genetic Algorithm and Monte Carlo Approach - <i>Simone Ficarra, Department of Mechanical, Energy, Management and Transport Engineering (DIME), University of Genoa, Italy</i>	
14:10 - 14:35	› Towards a robustness indicator for the coordination mechanisms in flexible manufacturing systems. - <i>Lorenzo Rittore, Department of Mechanical, Energy, Management and Transport Engineering (DIME), University of Genoa, Italy</i>	
15:00 - 15:30	Coffee break	
15:30 - 17:10	Session 2.3.1 (Salle 21)	(+)
15:30 - 15:55	› A Quantitative Criterion for Estimating Mass Reduction Potential and Identifying Suitable Additive Manufacturing Candidates - <i>Pierre_Thomas Doutré, Conception et Intégration Produit-Process</i>	
15:55 - 16:20	› An Integrated Design-to-Manufacturing Workflow for Additively Manufactured K/Ka-Band Ortho-Mode Transducers for CubeSat Applications - <i>Emanuele Vaglio, Polytechnic Department of Engineering and Architecture, University of Udine</i>	
16:20 - 16:45	› Design Optimization of Shell-Printed Parts with Lattice Infill in Binder Jetting Additive Manufacturing - <i>Marco Zago, Department of Industrial Engineering, University of Trento, via Sommarive, 9 - 38123 Trento</i>	
16:45 - 17:10	› Development of a Pedagogical Framework Centered on Intermediate Vehicles - <i>Pierre_Thomas Doutré, G-SCOP</i>	
15:30 - 17:10	Session 2.3.2 (Salle 22)	(+)
15:30 - 15:55	› A framework for improving diagnosis in repair cafés through structured data collection - <i>Héloïse Dauvillaire, Conception Collaborative et Intégrée, Laboratoire des sciences pour la conception, l'optimisation et la production</i>	
15:55 - 16:20	› Operationalizing Low-Tech Principles in Engineering Design: A Tool-Based Approach - <i>Alexandre Gaultier, Laboratoire des sciences pour la conception, l'optimisation et la production</i>	
16:20 - 16:45	› From Research to Practice: Mapping Low-Tech Users' Goals through Open-Source Personas - <i>Duhamel Rémi, ESTIA-Recherche, Agence de la transition écologique</i>	
15:30 - 17:10	Session 2.3.3 (Salle 23)	(+)
15:30 - 15:55	› Industrial product design using an abaca and HDPE composite - <i>Joan Ximinis, Universitat de Girona = University of Girona</i>	
15:55 - 16:20	› Design method for assistive technology personalization - electric wheelchair joystick handle case study - <i>Théo Vancanneyt, Equipe de Recherche Paramédicale sur le Handicap NeuroMoteur, Laboratoire des sciences</i>	

TIME	EVENT	(+)
	<i>pour la conception, l'optimisation et la production</i>	
16:20 - 16:45	› Design and Comparative Analysis of Coronary Stents by Numerical Simulation: Influence of Geometry and Evaluation of Biocompatible Materials - MIGUEL SUFFO, <i>University of Cádiz</i>	
18:30 - 23:30	Gala Dinner	

Friday, June 19, 2026

TIME	EVENT	(+)
08:30 - 09:00	Welcome	
09:00 - 10:15	Session 3.1.1 (Salle 21)	(+)
09:00 - 09:25	› Auxetic lattice structures to enhance comfort of external prosthetic device - <i>Maria Antonella Messina, Università degli Studi di Enna "KORE"</i>	
09:25 - 09:50	› Comparative Study of Conformal Mapped Lattice Architectures in Axisymmetric Problems - <i>Giuseppe Mantegna, Università degli studi di Enna Kore, Facoltà di Ingegneria ed Architettura, Cittadella Universitaria, 94100 Enna - Davide Tumino, Università degli studi di Enna Kore, Facoltà di Ingegneria ed Architettura, Cittadella Universitaria, 94100 Enna</i>	
09:50 - 10:15	› Deployable cubic structures. An Overview of folding mechanisms - <i>Valentin Gomez-Jauregui, Universidad de Cantabria</i>	
09:00 - 10:15	Session 3.1.2 (Salle 22)	(+)
09:00 - 09:25	› IVR application to identify cognitive bottlenecks in Industry 5.0 context maintenance - a doe study with eye tracking and hrv acquisitions - <i>Vito Grimaldi, Polytechnic University of Bari</i>	
09:25 - 09:50	› Towards Maintenance 5.0: A Framework for Maintenance Policy Decision-Making - <i>Mouhamadou Mansour Diop, Université de technologie de Compiègne, Roberval, Compiègne, France, Polytechnique Montréal, Mathematics and Industrial engineering department, Montreal, Canada</i>	
09:00 - 10:15	Session 3.1.3 (Salle 23)	(+)
09:00 - 09:25	› A Multi-Contact Clamping System for Improved Circularity in Thin-Walled Turning - <i>Hugo Font, Institut Clément Ader, Comptoir Général du Ressort</i>	
09:25 - 09:50	› Analysis of Flame Structure Evolution in Fuel–Air Mixtures via Experimental Image-Based Reconstruction - <i>Massimiliano Chillemi, Department of Engineering, University of Messina</i>	
10:15 - 10:45	Coffee break	
10:45 - 12:00	Session 3.2.1 (Salle 21)	(+)
10:45 - 11:10	› A Statistical Shape Model-Based framework for mandibular defect identification and anatomical reconstruction - <i>Elisa Vargiu, Department of Management and Engineering, University of Padua</i>	
11:10 - 11:35	› Parametric Design and FEM Analysis Methodology for Biodegradable Cardiovascular Stents: Comparative Study Based on Geometry and Composition - <i>MIGUEL SUFFO PINO, Universidad de Cádiz = University of Cádiz</i>	
11:35 - 12:00	› Reverse engineering of the human back for automotive seat comfort analysis - <i>Mattia Cozzolino, Department of Industrial Engineering, University of Salerno - Fontana Carlotta, Department of Industrial Engineering, University of Salerno - Luca Fiorillo, Department of Industrial Engineering, University of Salerno - Nicola Cappetti, Department of Industrial Engineering, University of Salerno</i>	
10:45 - 12:00	Session 3.2.2 (Salle 22)	(+)
10:45 - 11:10	› Parametric model for fuel cell hybrid electric propulsion systems to explore potential sustainable architectures. Application to a ferry case study - <i>Paul Mosser, Laboratoire d'Ingénierie des Systèmes Physiques et Numériques (LISPEN)</i>	
11:10 - 11:35	› Toward an Integrated Methodology for Preliminary Design : Numerical Simulation of an additive manufactured part for GD&T prediction - <i>Elven Laurent, Arts et Metiers Institute of Technology, CNRS, Bordeaux INP, I2M, UMR 5295, F-33400 Talence, Univ. Bordeaux, CNRS, Bordeaux INP, I2M, UMR 5295, F-33400, Talence</i>	
12:00 - 12:30	Farewell	