

	ROOM 6	ROOM 7	ROOM 8
08:30 - 9:00	Opening Statement		
09:00 - 9:30	3 - Microstructure control during wire and arc additive manufacturing Joao Oliveira, <i>CENIMAT, FCT/UNL, Caparica, Portugal</i>		
09:30 - 10:00	64 - Laser-powder bed fusion of high strength AlFeCrX aluminium alloys Carmen Cepeda-Jimenez, <i>CENIM, CSIC, Madrid, Spain</i>		
10:00 - 10:30	7 - Process modelling and uncertainty quantification in laser-based powder bed fusion of metals Massimo Carraturo, <i>University of Pavia, Pavia, Italy</i>		
10:30 - 11:15	Coffee Break		
11:15 - 11:35	13 - Process monitoring and simplified FE modeling of LPBF melt-pools. Influence on the microstructures and mechanical properties of small Inconel 625 struts Patrice Peyre, <i>PIMM, UMR 806 CNRS, Cnam, Arts et Métiers, Paris, France</i>	39 - Experimental and numerical analysis of the fatigue behavior of TiAl6V additive manufactured parts under stress gradient: application to flexible couplings Bruno Berthel, <i>LTD5 UMR5513, Ecully, France</i> John Crane, <i>Manchester, United Kingdom</i>	38 - Numerical simulation of WLAM process for metal forming tool repair Yabo Jia, <i>UPHF-LAMIH, Farnars, France</i>
11:35 - 12:15	9 - Powder bed absorptivity in LPBF additive manufacturing: exploring the interplay of powder characteristics, recoating parameters and substrate effects Robin Krom, <i>I2M, UMR 5295, Univ. de Bordeaux, Arts et Métiers, CNRS, Talence, France</i>	46 - Influence of defect shape and position on the High Cycle Fatigue behaviour of additively manufactured Ti-6Al-4V alloy Matthieu Bonneric, <i>Arts et Métiers, Talence, France</i>	30 - Application of thermomechanical model for ded process simulation Vaibhav Nain, <i>IREPA LASER, Illkirch-Graffenstaden, France</i>
12:15 - 12:35	31 - Sinogram-based data augmentation to automate the non-destructive control of mechanical parts Nina Lassalle-Astis, <i>CETIM Sud-Ouest, Pau, France</i> LaBRI, <i>Talence, France</i>	49 - Fatigue life assessment of WAAM ER70S-6 steel Ivanna Pivdiablyk, <i>CETIM-Matcor, Singapore, Singapore</i>	67 - Numerical model for the laser metal deposition additive manufacturing process: multi-scale approach and experimental validation Ghassen Dali, <i>UTC, Compiègne, France</i>
12:35 - 12:35	65 - Review on in-situ thermal monitoring during direct energy deposition: methods, principles and applications Márcia Meireles, <i>ArcelorMittal, Montataire, France</i>	62 - Numerical investigation of the influence of defects on the multiaxial fatigue strength of additively manufactured alloys Sai Sreenivas Penkulinti, <i>I2M Bordeaux, ENSAM, Bordeaux, France</i>	33 - Speeding up mesoscale conduction-based simulations of additive manufacturing processes: focus on temporal discretization and spatial adaptivity Simon Essongue, <i>Université de Bordeaux, Talence, France</i> Institut de mécanique et d'ingénierie - I2M, <i>Talence, France</i>
12:35 - 14:00	Lunch		
14:00 - 14:30	44 - Strategies for qualification of parts printed by metal additive manufacturing with review of fatigue testing requirements John H. L. Pang, <i>Nanyang Technological University Singapore, Singapore</i>		
14:30 - 15:00	74 - Effects of heat treatment on the microstructure and mechanical performance of an additively manufactured AlSi7Mg alloy Gwenaëlle Proust, <i>The University of Sydney, Sydney, Australia</i>		
15:00 - 15:30	1 - Revealing the complexity of 3D printed microstructures of steels Francisca Garcia Caballero, <i>CENIM-CSIC, Madrid, Spain</i>		
15:30 - 16:00	70 - Designing fatigue-resistant Additively-Manufactured components: from understanding damage mechanisms in common metallic alloys to establishing a reliable fatigue assessment methodology Luca Patriarca, <i>Politecnico di Milano, Milano, Italy</i>		
16:00 - 16:40	Coffee Break		
16:40 - 17:00	68 - XXL Metal Additive Manufacturing: technological challenges and opportunities Didier Boisselier, <i>IREPA LASER, Illkirch, France</i>	52 - Mastering binder-powder interaction using Metal Binder Jetting process parameters for improved green parts quality Thomas Cheny, <i>MINES Paris, Paris, France</i>	5 - Digital process chains for powder and wire-based 3D DED processes Rainer Beccard, <i>LUNOVU GmbH, Aachen, Germany</i>
17:00 - 17:20	57 - Assessment of Wire Arc Additive Manufacturing (WAAM) Techniques through Metallurgical and Mechanical Characterisation in Mild Carbon Steel Aishwarya, <i>Cetim-Matcor, Singapore, Singapore</i>	34 - Effect of the debinding/sintering strategy on the densification of aluminium alloys processed through Material Extrusion (MEX) Additive Manufacturing Marion Coffigniez, <i>Université Grenoble Alpes, Saint-Martin d'Hères, France</i>	32 - Optimizing Velocity and Accuracy in Robotic 3D Printing: Impact of Point Density and Interpolation Methods Sami Fadil, <i>ADAXIS, Bayonne, France</i>
17:20 - 17:40	24 - Maturity, characterisation and decision support system: a multi-disciplinary approach to select WAAM-CMT process parameters Julie Lartigau, <i>Univ. Bordeaux, ESTIA-Institute of Technology, Bidart, France</i>	37 - Experimental study on the mechanical post-treatments applied on 17-4PH stainless steel additively manufactured parts Mahmoud Naim, <i>Université de technologie de Troyes EPF école d'ingénieur.e.s, Troyes, France</i>	55 - Material Data Analytics in Nikon SLM Solutions Deniz Sera Ertay, <i>Nikon SLM Solutions, Lübeck, Germany</i>
17:40 - 18:00	12 - Thin Wall Surface Deposition, from WAAM to WLAM applications Clément Girard, <i>Hexagon Manufacturing Intelligence, Cobham, United Kingdom</i>	47 - Development of an economical sintering strategy for 316L stainless steel parts printed by Material Extrusion Additive Manufacturing (MEAM) Sophie Badin, <i>CRITT - Matériaux Innovation, Charleville-Mézières, France</i>	14 - QuadWire: an extended 1D model for efficient mechanical simulations of bead-based additive manufacturing processes – optimization use case Laurene Preumont, <i>LMS, CNRS, École Polytechnique, Institut Polytechnique de Paris, Palaiseau, France</i>
18:00 - 18:20	59 - Optimization of WLAM process Parameters for Metal Forming Tool Repair Hans Boungomba, <i>Université Polytechnique des Hauts-de-France - LAMIH - UMR CNRS 8201, Valenciennes, France</i>	22 - Composite Ti-6Al-4V/Polymers Pellets Additive Manufacturing: improvement of the printing parameters to obtain dense and defectless part Julien Bossu, <i>University of Mons, Mons, Belgium</i>	25 - A thermal-metallurgical-mechanical analysis and hot cracking characterization of grain structure generation via laser powder bed fusion Zixuan Li, <i>Mine Paris, Sophia Antipolis, France</i>
18:20 - 18:40	63 - Residual stress in wire arc additive manufacturing: Modeling – Instrumentation – Traceability Elia Zgheib, <i>Société VLM Robotics, Lacanau de Mios, France</i> Laboratoire Génie de Production, <i>INP-ENIT, Tarbes, France</i>	61 - Influence of the layer thickness and contours on mechanical properties of 17-4PH obtained by metal extrusion additive manufacturing Joseph Marae Djouda, <i>EPF Ecole d'ingénieurs, Cachan, France</i> Laboratoire de Mécanique de Paris-Saclay, <i>Gif-sur-Yvette, France</i>	60 - Numerical study of vapor generation on LPBF process - effect on process stability Morgan Dal, <i>PIMM, UMR 806 CNRS, Cnam, Arts et Métiers, Paris, France</i>
19:00 - 22:00	Gala dinner		

	ROOM 6	ROOM 7	ROOM 8
08:30 - 9:00	2 - Additive manufacturing of commercial Fe-based metallic glasses for soft magnetic applications <i>Maria Teresa Pérez-Prado, Imdea Materials Institute, Madrid, Spain</i>		
09:00 - 9:30	42 - Characterization of stainless steel produced by Binder Jetting and qualification process for applications in Oil & Gas industries <i>Tommaso Tirelli, Aidro - Desktop Metal Company, Taino (Varese), Italy</i>		
09:30 - 10:00	72 - Additive manufacturing process optimization for innovative aluminium-carbon fibre reinforced polymer co-cured joints <i>Giorgio De Pasquale, Politecnico di Torino, Torino, Italy</i>		
10:00 - 10:45	Coffee Break		
10:45 - 11:05	10 - Tensile properties of AISi7Mg thin specimens manufactured by laser-powder bed fusion <i>Charles Bianchetti, ONERA, Châtillon, France</i>	16 - Printability of Titanium Alloy Ti64 by Additive Friction Stir Deposition: Study of process-microstructure-macroscopic properties <i>Ismail Zabeullah, Université de technologie de Compiègne, CNRS, Roberval, Compiègne, France</i>	11 - A new hybrid electrochemical-mechanical process (PEMEC) for polishing additively manufactured parts <i>Joël Reih, ECL-ENISE, Saint-Etienne, France</i>
11:05 - 11:25	21 - Identifying Laser Beam Melting (LBM) process window for thin walls by enriching design of experiments with analytical physical models <i>Clément Ernould, IRT Saint Exupéry, Toulouse, France</i>	19 - Optimization of heat treatments for a LP – DED Maraging 18Ni300 steel to improve mechanical properties <i>Hugo Huttnschmitt, MBDA, Bourges, France</i>	4 - Super finishing MMP Technology : surface engineering to make your parts perform even better <i>Frederic Bajard, Binc Industries, Saint-Priest, France</i>
11:25 - 11:45	26 - Understanding ageing mechanism of Al-based metallic powders: probing grain/grain interactions with Atomic Force Microscopy <i>Yassine Lakroune, Mines Saint-Etienne, CNRS, UMR 5307 LGF, Centre SPIN, Saint-Etienne, France</i>	50 - Predicting powder spreadability for metal AM <i>Aurelien Neveu, GranuTools, Awans, Belgium</i>	20 - Surface post-treatments for Ti64 components produced by Laser Metal Deposition with powder: surface texture quantification and effect on mechanical properties <i>Clément Ernould, IRT Saint Exupéry, Toulouse, France</i>
11:45 - 12:05	29 - High performance aluminium components produced by laser powder bed fusion: fatigue performance of Ahead© CP1 <i>Jean-Christophe Ehrstrom, Constellium C-TEC, Voreppe, France</i>	54 - Latest advances in additive manufacturing characterization at European Synchrotron Radiation Facility (ESRF) <i>Andrea Francesco, ESRF, Grenoble, France</i>	8 - Surface finishing technologies adapted for 3D printing mechanical components. Multi Process post processing treatment of high value additive manufacturing components <i>Martin Jay, POLITECHNO, Bonson, France</i>
12:05 - 12:25	36 - Comparative study of gaussian, top-hat and donut laser distribution for powder bed fusion additive manufacturing of AISi10Mg alloy <i>Pierre Hébrard, PIMM Lab - Arts et Métiers, Paris, France</i>	69 - Contribution of TEM to the study of metals processed by additive manufacturing <i>Arthur Despres, Grenoble INP - Laboratoire SIMaP, Grenoble, France</i>	40 - The hybrid manufacturing of a titanium femoral hip resurfacing prosthesis – A case study <i>António Ramos, University of Aveiro, Aveiro, Portugal</i>
12:25 - 13:50	Lunch		
13:50 - 14:20	75 - Ultrastrong nanotwinned titanium alloys through additive manufacturing <i>Aijun Huang, Monash Centre for Additive Manufacturing, Monash University, Melbourne, Australia</i>		
14:20 - 14:50	23 - Binder Jetting process Sustainability: Powder Management <i>Iñigo Agote, TECNALIA, San Sebastián, Spain</i>		
14:50 - 15:20	71 - Binder jetting additive manufacturing for jewellery and fashion items production <i>Andrea Friso, Legor Group S.p.A., Vicenza, Italy</i>		
15:20 - 16:05	Coffee Break		
16:05 - 16:25	66 - New generation of high-performance metal powders designed for AM <i>Solange Vivès, Aubert&Duval, Paris, France</i>	6 - Study of oxide nanoprecipitate formation mechanisms in 316 L stainless steel produced by rapid solidification processes: gas atomization and Laser Powder Bed Fusion (L-PBF) / effect on impact toughness <i>Salima Benrabah, University of technology Belfort-Montbéliard, Sevenans, France</i>	15 - Microstructure and mechanical properties of as-built and heat-treated Laser Powder Bed Fusion Al0.3CoCrFeNi High Entropy Alloy <i>Thierry Baffie, CEA-LITEN, Univ.Grenoble Alpes, Grenoble, France</i>
16:25 - 16:45	58 - Additive Manufacturing of nuclear Fuel Assembly metallic components - overview of Machine/Process qualification strategy <i>Guillaume Badinier, Framatome, Lyon, France</i>	45 - Portevin-Le Chatelier effects in 316L stainless steels processed by LPBF for nuclear applications <i>Sylvain Dépinoy, Mines Paris Université PSL, MAT - Centre des Matériaux, CNRS UMR 7633, Evry, France</i>	56 - Heat exchangers using TPMS architectures manufactured by LPBF <i>Vincent Bonnefoy, CEA LITEN, Université Grenoble Alpes, Grenoble, France</i>
16:45 - 17:05	48 - Additive manufacturing of austenitic stainless steel non-planar and small thickness product by WAAM process <i>Théo Racine, Naval Group, Indret, France</i>	51 - Study of strain heterogeneity within the microstructure of an additively manufactured 316L subjected to tensile and fatigue stresses using neutron diffraction and 3DXRD <i>Loïc Héraud, I2M, Arts et Métiers Institute of Technology, Talence, France</i>	27 - Experimental and numerical evaluation of mechanical properties of hybrid lattice structures manufactured by selective laser melting <i>Zhaozhen Huang, Univ. Savoie Mont Blanc, SYMME, Annecy, France</i>
17:05 - 17:25	17 - Wire and Arc Additive Manufacturing of Large Safety-Critical Components in the Nuclear Industry: Influence of Deposition Rate in the Submerged Arc Process <i>Antoine Kieffer, EDF R&D, Les Renardières, Moret sur Loing, France</i> <i>Univ Lyon, INSA Lyon, UCBL, MATEIS, UMR5510, Villeurbanne, France</i>	53 - Understanding the macroscopic properties of the PBF-LB 17-4 PH steel by a set of microstructural investigations <i>Renata de Oliveira Melo, CNRS, INRAE, Centrale Lille, UMR 8207—UMET—Unité Matériaux et Transformations, Université de Lille, Lille, France</i>	35 - Effect of AM processes on the compressive behaviour of 316L architected materials <i>Camille Buros, Univ. Bordeaux, ESTIA-Institute of technology, BIDART, France</i>
17:25 - 17:45	18 - Laser powder bed fusion process development for copper-aluminium alloys : towards spare parts for the railway infrastructures <i>Marie Fischer, Pint, Metz, France</i>	73 - Durability of additively manufactured austenitic stainless steels under fatigue-hydrogen coupling <i>Rahul Subramanian Girija, Institut de Mécanique et d'Ingénierie (I2M) UMR 5295, Bordeaux, France</i>	28 - Numerical study of first cyclic loadings on additively manufactured 316L stainless steel using a compartmentalized finite element model <i>Axel Monnier, Univ. Savoie Mont-Blanc, SYMME, Annecy, France</i>
17:45 - 18:00	Opening Statement		

The speakers in red are our special guests from the invited countries (Italy, Portugal, Spain, Australia and Singapore).