

MATERIAIS 2022

Draft programme

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		EASTER SCHOOL ADDITIVE MANUFACTURING (ESAM)				CONFERENCE											
		April 10 th - Sunday				April 11 th - Monday			April 12 th - Tuesday			April 13 th - Wednesday					
08:30	09:00	ESAM Registration				Opening/Registration			Registration			Registration					
09:00	09:20					Plenary Lecture 1 Alexander Korsunsky University of Oxford, UK			Plenary Lecture 2 Krzysztof Matyjaszewski Carnegie Mellon University, USA			Plenary Lecture 3 Hélder Santos University of Groningen, NL					
09:20	09:40	ESAM Welcome															
09:40	10:00	Lecture: Introduction to AM Geoffrey Mitchell, CDRSP, PT													A88	A4	A51
10:00	10:20					A100	A11	A61	A86	A20	A25	A125	Tescan (R2M-1)				
10:20	10:40					Lecture: AM Processes for Biomedical Applications Marco Domingos, University of Manchester, UK				A112	A17	A62	A103	A22	A36	A50	Specanalitica (R2M-1)
10:40	11:00																
11:00	11:20	Coffee break								Coffee break			Coffee break				
11:20	11:40	Lecture: In-situ microstructure control during wire and arc AM: towards an improvement in mechanical properties João Pedro Oliveira, Nova University of Lisbon, PT				A129	A53	A84	A12	A35	Workshop Plastics & Sustainability	A114	A45	From Research to Market (R2M-2)			
11:40	12:00					A126	A59	A102	A119	A101		A54	A49				
12:00	12:20	Lecture: Multi-Material AM Filipe Silva, University of Minho, PT				A110	A66	A130	A121	A108		A58	A93				
12:20	12:40					A105	A98	A124	A123	A90	A68	A117					
12:40	14:00	Lunch				Lunch			Lunch			Lunch					
14:00	14:20	Lecture: Recent Developments in AM Paula Vilarinho, University of Aveiro, PT				K. Speaker 1 Caterina Biscari ALBA Sync. Spain		K. Speaker 2 Paula Pascoal Faria Polytechnic of Leiria Portugal		K. Speaker 3 Paulo Lourenço University of Minho Portugal		K. Speaker 4 Jorge Coelho University of Coimbra Portugal		K. Speaker 5 Geoffrey R. Mitchell Polytechnic of Leiria Portugal		K. Speaker 6 Jules Harings University of Maastricht The Netherlands	
14:20	14:40																
14:40	15:00	Group 1* AM Ceramics/ cement for Industrial Application s	Group 2* AM Biomaterial s for Biomedical Application s	Group 3* AM Metals for Industrial Application s	Group 4* AM Polymers for Industrial Applications	A87	A69	A67	A56	A131	Workshop Plastics & Sustainability	A72	A8	A37			
15:00	15:20					A75	A70	A52	A80	A13		A77	A16	A46			
15:20	15:40					A74	A76	A120	A43	A14		A82	A19	A111			
15:40	16:00					A73	A83	A31	A128	A71		A89	A30	A38			
16:00	16:20					Coffee break			Poster Session Coffee break			Coffee break					
16:20	16:40	Coffee break				A48	A23	A55				A91	A33	From Research to Market (R2M-3)			
16:40	17:00	Group 1* AM Ceramics/ cement for Industrial Application s	Group 2* AM Biomaterial s for Biomedical Application s	Group 3* AM Metals for Industrial Application s	Group 4* AM Polymers for Industrial Applications	A47	A60	A41				A115	A34				
17:00	17:20					NenoVision						A99	A64				
17:20	17:40					Workshop Demonstration Measurement of AFM-IN-SEM Solution Dias de Sousa						A106	A65				
17:40	18:00											A26	A109				
18:00	18:20								Closing Ceremony								
18:20	18:40	ESAM - Discussion and Closing Remarks															
18:40	19:00																
19:00	20:00	Welcome dinner				Visit to CDRSP			Gala Dinner								

MATERIAIS 2022

20:00	21:00	Mar & Sol, São P. Moel	IPLeiria Tuna/Cocktail		
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 AUDITORIUM I – Teatro Stephens/Casa da Cultura

 AUDITORIUM II –Resinagem Building

 AUDITORIUM III – Resinagem Building 2nd Room

A - Functional Materials

A1 Functional Materials for energy and environment

A2 Bio-inspired materials and materials for healthcare applications

A3 Magnetic, electric and photonic functional materials

A4 Carbon based materials

A5 Paper electronics

C - Materials Processing and Characterization

C1 Processing technologies (including additive manufacturing; digital twins)

C2 Coatings and interfaces

C3 Reduce, Reuse and Recycle

C4 Materials characterization (multiscale level)

B - Structural Materials

B1 Advances in ceramics, concrete, building materials

B2 Advances in metals and alloys

B3 Advances in polymers

B4 Advances in composites and hybrid materials

D - Materials Modelling and Simulation

D1 Materials modelling and simulation

D2 Digital twins of materials

***12 participants per group (maximum)**