

2nd June	All times are for the Western European Summer Time Zone (UTC+1) Time Zones (24timezones.com) Note UTC is a time standard not a time zone ZOOM Links for all speakers and registered participants will be circulated on the 30 th May 2022		
RESIM 2022 Opening			
1000	Introduction	Professor Geoffrey Mitchell, CDRSP, Polytechnic of Leiria	
1005	Welcome	Professor Rui Pedrosa, Polytechnic of Leiria	
Morning Session A Manufacturing and Climate Change Professor Geoffrey Mitchell			
Time	Category	Speaker	Title
1010	Plenary	Professor Seeram Ramakrishna National University of Singapore	Net zero and circular economy shaping the future: <i>Role of Materials</i>
1050	Qs and As		
1100	Keynote	Professor Ipsita Roy University of Sheffield UK	Sustainable Biomaterials of Bacterial Origin and their use in Biomedical and Environmental Applications
1130	Qs and As		
1140	Keynote	Professor Artur Mateus CDRSP, Portugal	Circular Seas – the great challenge for plastics
1210	Qs and As		
1220	Contributed	Ivan Galvão Instituto Politécnico de Lisboa Portugal	Production of Hybrid Structures by Solid-State Welding
1240	Qs and As		
1245	Contributed	Eva Silva University of Minho, Portugal	Computational evaluation of sustainable water-cooled heat sinks manufactured by powder bed fusion
1305	Qs and As		
1310	Close of session		
	Lunch		
Afternoon Session B Manufacturing to enhance food, security and bioeconomy			
Chair Dr Joana Coutinho			
1400	Plenary	Joana Vieira Forest Wise, Portugal	The potential of forest products to improve sustainability
1440	Qs and As		
1450	Keynote	Maria Manuel Gil Mare, Polytechnic of Leiria,	Resources from the Oceans (tbc)

		Portugal	
1520	Qs and As		
1530	Keynote	Telma Maria da Encarnação CQC-IMS, University of Coimbra, Portugal	Microalgae biorefinery: high-value products from bioremediation processes
1600			
1610	Contributed	Barbara Lamolinara Centre for Transdisciplinary Development Studies , University of Trás-os-Montes e Alto Douro, Portugal	The circular business models as strategic tools for a sustainable development
1630	Qs and As		
1635	Contributed	Ricardo Simoes Polytechnic Institute of Cavado and Ave (IPCA), Barcelos, Portugal	Application of circularity micro-indicators to plastic products in various industrial sectors
1655	Qs and As		
1700	Invited	Ana Augusto Marine and Environmental Sciences Centre (MARE) Politécnico de Leiria	Edible coatings and films for a sustainable food preservation
1720	Qs and As		
1725	Close of Session		

3rd June			
Morning Session C Manufacturing and Secure Societies Chair Dr Carla Moura			
Time	Category	Speaker	Title
1000	Keynote	Manoj K Patel Central Scientific Instruments Organization India	Electrostatic spraying for health and hygiene
1040	Qs and As		
1050	Keynote	Mahadevappa Kariduraganavar Karnatak University, India	Membrane Technologies for Water

			and Energy
1120	Qs and As		
1130	Keynote	Vijay Kumar Meena Central Scientific Instruments Organization India	Orthopaedic applications of Additive Manufacturing (TBC)
1200	Qs and As		
1210	Video Poster 1	Javier Nakamatsu Lima Peru	Exploration of soil-chitosan mixtures for additive earthen construction
1215	Video Poster 2	Filipe Jorge CDRSP, Portugal	Automated Pine Wood Veneer Classification
1220	Video Poster 3	Diana Pereira	Nanoconjugates of metal and polymers with improved antimicrobial properties
1225	Video Poster 4	Joao Silva IST Lisbon	Development of Novel Electroactive Nanofibers for Osteochondral Tissue Engineering Applications
1230	Video Poster 5	Joao Silva IST Lisbon	
1235	Video Poster 6	TBC	
1240	Video Poster 7	Geoffrey Mitchell	Circular Seas, the ultimate challenge for Plastics
1245	Video Poster 8	TBC	
1250	Video Poster 9	TBC	
1255	Video Poster 10	TBC	
1300	Lunch		
<p>Afternoon Session D Manufacturing and Industry 4.0 Numerical modelling of the manufacturing of complex systems Chair Professor Paula Faria</p>			
1400	Plenary	Sarah Cartmell University of Manchester	Electrical Stimulating Regimes to Influence Stem Cell Proliferation and Differentiation for Tissue Engineering
1440	Qs and As		
1450	Keynote	Paula Pascoal Faria and Joao Menezes CDRSP, Portugal	Numerical Modelling Impact in the Design and Development of Tissue Engineering Systems
1530	Qs and As		
1530	Keynote	Diogo Nogueira	Development of a High-Density System



		University of Lisboa Portugal	for the Expansion of Human Induced Pluripotent Stem Cells as Aggregates in Single-Use Vertical-Wheel Bioreactors
1600	Qs and As		
1610	Keynote	William Salvador University of Lisboa Portugal	A Novel Decision Support Tool for Optimally Designing Large-Scale Stem Cell Expansion Bioprocesses
1640	Qs and As		
1650	Contributed	Geoffrey R Mitchell CDRSP Portugal	Digital Twins for complex Manufacturing processes – Tissue engineering
1710	Qs and As		
1715	Closing Remarks		
1720	Close of Conference		

The Zoom link for the conference will be emailed to all registered participants by Monday 30th May 2022 at the latest together with the book of abstracts. The same Zoom link will be used for each half day session.

Please note the complete RESIM2022 will be recorded to provide dissemination to the widest audience. IF you wish your contribution to the RESIM2022 is not included in this recording. Please send an email to resim@ipleiria.pt with your request.