



Monday - 15th of May

13h30	Registration	@ OPEN Floor 0
14h30	Welcome Ceremony – Entrepreneurship Week & ICDDMAP 2017 OPEN CDRSP-IPLeiria CMMG CENTIMFE Entrepreneurship – OPEN & CENTIMFE	
15h00	Plenary Lecture Lara Moura Brisa inovação e Tecnologia	
15h45	Plenary Lecture <i>The Portuguese Additive Manufacturing Initiative Lecture</i> Professor Artur Mateus CDRSP-IPLeiria Portugal	
16h30	Coffee-break	
16h45	Plenary Lecture <i>Metal Additive Manufacturing for Aerospace and other Industrial Applications</i> Filipe Coutinho ADIRA Renato Salles OMNIDEA Portugal	
17h30	Opening Technological Exhibition Visit to OPEN	



Tuesday - 16th of May

09h00	Session on Direct Digital Manufacturing Session Chair Artur Mateus	@ OPEN Floor 0
09h15	Keynote Additive Manufacturing High Temperature Components Oana Ghita University of Exeter, United Kingdom	
10h15	Invited Towards Direct Digital manufacturing Fábio Simões CDRSP-IPLeiria, Portugal	
11h00	<i>Mechanical Characterisation of FDM parts reinforced with continuous Carbon Fibre</i> Isaac Ferreira INEGI Porto	
11h20	Coffee-break	
11h40	Keynote DDM@CDRSP 10 years on The CDRSP Anniversary Lecture Nuno Alves CDRSP-IPLeiria Portugal	
12h20	<i>Performed evaluation of thin AM geometric mould inserts features based on ex-situ heat and cool imposed boundary conditions</i> Jorge Domingues CDRSP-IPLeiria Portugal	
12h40	<i>Manufacturing Polymer based Objects with Functional Gradients through Morphology</i> Geoffrey Mitchell CDRSP-IPLeiria	
13h00	Lunch	
14h00	Session on Direct Digital Manufacturing Session Chair Fábio Simões	@ OPEN Floor 0
14h15	Invited Innovation and entrepreneurship: from Schumpeter to Industry 4.0 Vitor Ferreira and Ana Lisboa CDRSP-IPLeiria, Portugal	
15h00	<i>Development of an authenticity control device for parts manufactured by thermoplastic injection process</i> Tiago Marques CDRSP-IPLeiria	
15h20	Invited The Social Dimension of Direct Digital Manufacturing Geoffrey Mitchell CDRSP-IPLeiria, Portugal	
15h50	Coffee-break	
16h10	Invited Triangulations for additive manufacturing and other mathematical structures Nelson Ferreira CDRSP- IPLeiria, Portugal	
16h55	Invited Computational and Mathematical Methods at CDRSP-IPLeiria: Past, present and future Paula Pascoal-Faria CDRSP-IPLeiria, Portugal	
17h30	Visit to CDRSP & Welcome Dinner	@ CDRSP building



Wednesday - 17th of May

09h00	Session on Applications of Direct Digital Manufacturing Session Chair Nuno Alves	@ OPEN Floor 0
09h15	Keynote Regenerative Medicine Sean Murphy Wake Forest Institute for Regenerative School of Medicine USA	
10h15	<i>Production and characterization of Scaffolds for Cartilage repair</i> Jorge Reis ISEC-IPC	
10h35	<i>Study of metal/polymer interface of parts produced by a hybrid additive manufacturing approach</i> Miguel Silva CDRSP-IPLeiria	
10h55	<i>Direct Digital Manufacturing of Conformal cooling and heating channels: optimal design</i> Miguel Gaspar CDRSP-IPLeiria	
11:15	Coffee-break	
11h40	<i>Evaluation of root canal filling with a bioceramic sealer: an in vitro micro-computed tomographic study</i> Isabel Vasconcelos University of Lisbon	
12h05	<i>Challenges in the 3d reconstruction of pear shapes from the scans of 2d slices</i> Miguel Gaspar CDRSP-IPLeiria	
12h20	<i>Influence of the thickness of parts produced by SLM on the transformation characteristics of NiTi</i> Pedro Carreira CDRSP-IPLeiria	
12h45	Lunch	
14h00	Session on Applications of Direct Digital Manufacturing in Medicine Session Chair Paula Faria	@ OPEN Floor 0
14h15	Keynote Optimizing Bioactive Composites for controlled deposition Elizabeth Tanner University of Glasgow, UK	
15h15	<i>Processing and Analysis of PCL/gellan gum fibres for cartilage tissue engineering</i> Luís Francisco ESTG-IPLeiria	
15h40	Coffee-break	
16h00	Invited Biofabrication trends in tissue engineering Pedro Morouço CDRSP- IPLeiria, Portugal	
16h45	<i>Novel biodegradable polymer scaffold with fibrous 3D structure for bone tissue engineering</i> Edward McCarthy University of Edinburgh UK	
17h00	<i>Development of the predictive biomechanical model of sheep with induced osteoporosis: important for pre-clinical trials in veterinary medicine</i> Rui Silva CDRSP-IPLeiria	
17h20	<i>BioMaTE: a novel biomanufacturing system to produce bioactive scaffolds for tissue engineering</i> Pedro Morouço CDRSP-IPLeiria	
19h45	Wine Degustation Dinner (additional registration required, limited places)	



Thursday - 18th of May

09h00	Welcome by City Mayor of Marinha Grande	<i>Resinagem building</i>
09h15	<u>New Concepts in polymer Science and Engineering</u> Session Chair Florindo Gaspar	
	Keynote <i>Porous materials in energy applications: the fascinating world of invisible polymers</i> Swaminathan Sivaram Indian Institute of Science Education and Research	
10h15	Keynote <i>Silver Nanoparticles synthesised using aqueous leaf extract of Ximenia americana as Nanomedicine in inducing cell death in non-small cell lung cancer via cell cycle arrest</i> A B Vedamurthy Karnatak University, India	
11h15	Coffee-break	
11h35	Keynote <i>Aligning macromolecular and structural dynamics in fused deposition modelling; complexity in the 4th dimension</i> Jules Harings Maastricht University, Netherlands	
12h35	<i>Optimisation of a polypropylene-based-cork composite for 3D printing applications</i> Fernando Brites CDRSP-IPLeia	
12h55	Lunch	
14h00	<u>New Concepts in polymer Science and Engineering</u> Session Chair Nelson Ferreira	<i>Resinagem building</i>
14h15	Keynote <i>CDRSP Anniversary Lecture on Materials Smart Biopolymers</i> Mahadevappa Karidiraganavar Karnatak University, India	
15h00	<i>Synthesis of aliphatic polyester via Biocatalysis in miniemulsion system</i> Ana Pfluck University of Lisbon	
15h20	<i>Vertical traffic signs – materials and structural numerical simulation</i> Sara Gomes CDRSP-IPLeia	
15h40	Coffee-break	
16h00	Invited <i>Materials for Direct Digital Manufacturing</i> Florindo Gaspar CDRSP- IPLeia, Portugal	
16h45	<i>Ultimate eco-Resin for Sustainable Additive manufacturing</i> Geoffrey Mitchell CDRSP-IPLeia	
17h05	Invited <i>Shape memory polymers</i> Mahadevappa Karidiraganavar Karnatak University, India	
19h30	Gala Dinner / Close of ICDDMAP 2017 Conference	<i>@Hotel Mare e Sol, São Pedro de Moel</i>