

MATCEL'2017 & DynMATCEL'2017

Department of
Mechanical Engineering,
Universidade de Aveiro,
Portugal

September 25 to 27, 2017

<http://matcel2017.web.ua.pt/>
dem-matcel2017@ua.pt

MatCel'2017 is the second national conference on multifunctional lightweight cellular materials that aims to bring together and to disseminate knowledge between academics/researchers and industry practitioners. DynMatCel'2017 is an international conference that is dedicated to recent advances in the dynamic behaviour of multifunctional lightweight cellular materials, demonstrating their benefits to relevant researchers and industries.

The venue will be the beautiful city of Aveiro (Portugal), known as "The Portuguese Venice" due to its system of canals and boats (moliceiro).

Both conferences will be organised by the University of Aveiro and the University of Minho, two of the most important Portuguese Universities. It will be a great opportunity to present results, discuss scientific topics with the goal of better networking, broader dissemination of results, and to expand the collaboration between Portugal and other Countries.

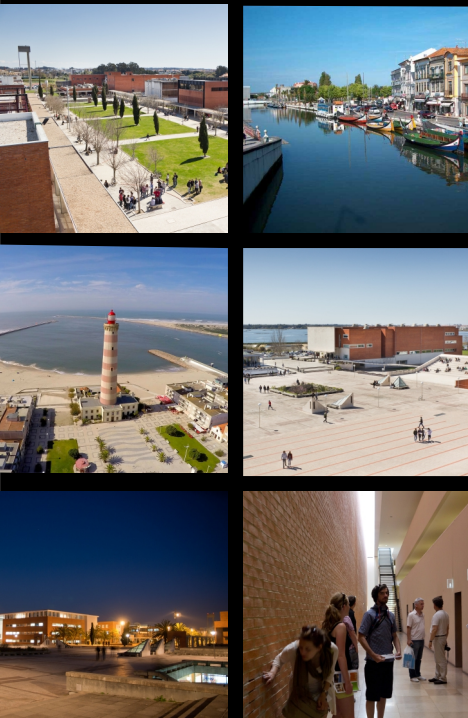
Main Conference Topics

Cellular Materials | 3D Periodic Materials and Structures | Lattice Materials | Stochastic Foams | Lightweight Materials | Lightweight Structures | Composite Structures | Sandwich Panels | Foam Filled Tubes | Porous Materials | Foams | Liquid Foams | Solid Foams | Nanocomposite Foams | Composite Foams | Hybrid foams | Syntactic Foams | Ceramic Foams | Metallic Foams | Polymeric Foams | Glass Foams | Cork | Wood | Engineering Honeycombs | 3D Periodic Cellular Metals | Porous Metal Fibre Structures | Metallic Hollow Sphere Structures | 3D Direct Printed Structures | Experimental | Experimental Techniques | Mechanics | Dynamic Behaviour | High Strain-Rate Testing | Impact | Energy Absorbing Systems | Crashworthiness | Vehicle safety | Blast | Penetration | Shock Response | Reliability and Failure of Energy Systems | Modelling | Numerical Simulation | Computation Mechanics | Theoretical models | Dynamic Fracture and Fatigue | Computational Simulations | Applications

Papers will also be considered to a special issue to the journal of the Science & Technology of Materials (ISSN 0870-8312) which is published by Elsevier and is on Science Direct and on Scopus.

Organizing committee

Isabel Duarte (Chairperson, GRIDS-TEMA, Universidade de Aveiro)
Nuno Peixinho (Chairperson, DME, University of Minho)
António Andrade-Campos (GRIDS-TEMA, Universidade de Aveiro)
João Dias-de-Oliveira (GRIDS-TEMA, Universidade de Aveiro)
Robertt Valente (GRIDS-TEMA, Universidade de Aveiro)



Support

