

Monday, 27th				Tuesday, 28th				Wednesday, 29th			
08:00	09:15	Registration									
09:15	09:30	Opening									
9:30	10:10	Davide Bigoni Designing solids from structures		keynote lecture				9:30	10:10	Varvara Kouznetsova Subharmonic energy exchange in non-linear locally resonant metamaterials	
10:10	10:40	Coffee break				keynote lecture					
Session 1		Chair: Jean Francois Deü									
10:40	11:00	<i>L.Kovacic, Z. Kanovic, V. Rajs, L. Teofanov</i> Design and properties of metastructures for vibration isolation purposes									
11:00	11:20	<i>M. Collet, A. Pyskir, Z. Dimitrijevic, C.-H. Lamarque</i> Prestressed nonlinear resonant auxetic metamaterial for dynamic isolation									
11:20	11:40	<i>L.Zeman</i> Modular-topology optimization of compliant structures and mechanisms									
11:40	12:00	<i>S.Kumar</i> Unifying the design space of metamaterials by deep generative modeling									
12:00	12:20	<i>D.Issar, D. M. Kochmann</i> Configuration dependent properties of straw-based truss metamaterials									
12:20	12:40	<i>G.Larriccio, M. Molaei, A. Zippo, V. Cannillo, F. Pellicano</i> Composite metamaterials for aerospace structures									
12:40	14:00	Lunch									
Session 2		Chair: Pedro Ribeiro									
14:00	14:20	<i>L.Latałski, J. Dubicka-Nowak</i> Nonlinear dynamics of an active shallow arch									
14:20	14:40	<i>M.Shojaee, O. Weeger</i> Multiscale modeling of metamaterial beams using a micromorphic beam theory									
14:40	15:00	<i>L.Mesny, R. Alcorta, S. Chesné, S. Baguet</i> Real-time adaptation of a hybrid nonlinear energy sink: simulation and experimental validation									
15:00	15:20	<i>E.Gourdon, M. Morell, E. De Bono, M. Collet, A. Ture Savadkoohi, C.-H. Lamarque</i> Digitally programmed nonlinear electroacoustic resonators									
15:20	15:50	Coffee break									
Session 3		Chair: Varvara Kouznetsova									
15:50	16:10	<i>G.James</i> Traveling localized waves in granular metamaterials									
16:10	16:30	<i>C.Bellis, B.Lombard, M.Touboul, R.Assier</i> Effective dynamics for low-amplitude transient elastic waves in a 1D periodic array of non-linear interfaces									
16:30	16:50	<i>A.Barbosa, N.Kacem, N.Bouhadji</i> Nonlinear metastructure design for energy localization: a solitonic approach									
16:50	17:10	<i>Y.Stasovetsky</i> Analysis of the response of damped and parametrically driven, strongly anharmonic Klein-Gordon chains									
18:00	19:30	Visit to Fourvière									
19:30	-	Banquet									