

Preface

In order to exchange the academic achievements on the impact dynamics in recent years, we are organizing the special issue on the Impact Dynamics of Structures/Materials. We have gladly collected five high-quality papers in this area, including “Atomic-level mechanism of spallation microvoid nucleation in medium entropy alloys under shock loading”, “Dynamic response of ultralight all-metallic sandwich panel with 3D tube cellular core to shallow-buried explosives”, “Effect of impact deformation on shape recovery behavior in Fe-Mn-Si shape memory alloy under shape memory training process with cyclic thermo-mechanical loading”, “Mechanical behaviors of polycrystalline NiTi SMAs of various grain sizes under impact loading”, and “Experimental investigation on the yield behavior of metal foam under shear-compression combined loading”. We hope that this special issue would be useful for researchers to better understand the relative dynamic problems of structures/materials; meanwhile, thank all the authors for sharing informative knowledge and research results, and contributing their valuable time and effort to this special issue.

We would like to express our sincere appreciation to Prof. ZHANG TongYi for providing the platform and inviting us to organize this special issue on impact dynamics of structures/materials. Our special thanks also go to the editorial staff of *Science China Technological Sciences* for managing the submission and reviewing processes. Their efforts contributed to the timely publication of this special issue. In addition, we would also gratefully acknowledge the financial supports from The Center for Foreign Talent Introduction and Academic Exchange of Mechanical Behavior of Advanced Structures and Materials, as well as the International Research Laboratory of Impact Dynamics Behavior of Advanced Aeronautical Structures and Materials.

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