



Recent Advances in Dynamic Mechanical Properties of Materials and Structures

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Message from the Guest Editors

Recent advances in dynamic mechanical properties of materials and structures have provided possibilities for many novel applications of smart materials and structures in highly demanding engineering fields. This Special Issue will publish scientific papers and reviews related to the dynamic behavior of materials and structures, from their characterization to their application in industrial problems, such as their impact, blast and high-rate loading. Works that result in fundamental insights that benefit engineering design to resist strong dynamic loading are relevant to this Special Issue. Scientifically designed and documented experimental studies that advance knowledge in the dynamic mechanical properties of materials subjected to dynamic loading are of high relevance and interest. On this basis, the experimental studies should be accompanied by analysis of the experimental data and appropriate conclusions. The incorporation of theoretical analysis and/or numerical simulations to support the experimental findings will enhance the depth and quality of the research reported and make it more compelling.





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