Special Issue

Crashworthiness Design for Aviation Safety

Message from the Guest Editors

The subject of this Special Issue is dedicated to the important topics of the passenger's passive safety and the research for the improvement of aeronautical structures in presence of high dynamic transient loads. Papers eligible for this Special Issue should refer to the development and validation of advanced crashworthiness concepts and design methods able to increase the level of safety. Special attention will also be devoted to papers dealing with advanced crashworthiness research able to improve safety with minimal cost and weight increases and compliant with a specified certification process. The focus can be extended to materials and their capability to absorb deformation energy, design methods allowing deformation paths which save the passenger, and restraint systems that save human lives and avoid fatal injuries to occupants. These objectives may be obtained through a strong numerical and experimental correlation considering the passenger and their safety as the main reference parameter.

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You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.
Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

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