Editorial

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Both the character and focus of the international journal *Annals of Solid and Structural Mechanics* follow the great tradition of mechanics. New and advanced problems arise from experiments, from new technological developments and new types of materials and structures, and then a jump of abstraction allows predictive theories to be created or upgraded, and transformed in a tool able to solve practical problems in any engineering field.

In the abstraction phase, which is when science is created, the full power of mathematics is employed when needed. As an example, the new non-smooth mechanics is founded on concepts and methods of convex analysis.

In the *Annals* the Editors intend to include introduction to new promising topics and methods in the entire science and engineering field, including aerospace (e.g., new thermal investigation on structures), structural, mechanical, and material (e.g., shape memory alloys, nano and living materials) engineering.

The Editors and the distinguished scientists who have accepted to share the privilege to participate in this new initiative do believe that there is a need and an interest as well as room for these *Annals*, and are proud to offer this forum to the mechanical community.

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