Now receiving submissions – Special Issue on 'Frontiers of mechanical metamaterials'

This themed issue on mechanical metamaterials invites contributions from different perspectives with the aim of highlighting the latest advances in the field.

The themed issue will focus on **mechanical metamaterials** in the general sense. This includes acoustic and elastic metamaterials as well as other types of metamaterials with unique mechanical and/or thermal properties at any length scale.

Topics of interest include the following:

- Multi-scale modeling, simulation and theory of mechanical metamaterials
- Development and application of experimental methods for mechanical metamaterials at different length scales
- Design and/or optimization of mechanical metamaterials
- Homogenization theory for mechanical metamaterials
- Analysis of extreme mechanical properties in metamaterials
- Transformation acoustics/elasticity utilizing mechanical metamaterials
- Mechanical metamaterials and structures featuring hierarchical architectures
- Active mechanical metamaterials in response to external stimuli
- Self-assembly of mechanical metamaterials and structures
- Advanced 3D printing of mechanical metamaterials
- Novel applications of metamaterials involving mechanics

Manuscript Submission:

Manuscripts should be formatted and be submitted online according to the instructions for *Extreme Mechanics Letters* at http://www.elsevier.com/journals/extreme-mechanics-letters/2352-4316/guide-for-authors.

The authors must select "**SI: Mechanical Metamaterials**" when specifying the "Article Type" in the submission system (EVISE) via http://www.evise.com/evise/faces/pages/navigation/NavController.jspx?JRNL_ACR=EML. All submissions will undergo the peer review process. The papers will be published online as soon as they are accepted.

Timelines:

Submission start: 1 December 2015
Submission deadline: 1 March 2016
Acceptance deadline: 1 May 2016

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