Special Issue “New trends in structural mechanics”
Journal of Mechanical Engineering and Biomechanics (JMEB)

Guest Editors:

Elza Maria Morais Fonseca is Professor at the Department of Mechanical Engineering of the Polytechnic Institute of Porto, Portugal. She teaches or has taught undergraduate and master courses, and supervising different thesis. She has the Ph.D. degree in Mechanical Engineering from University of Porto, Portugal. Researcher of LAETA, INEGI, Associated Laboratory for Energy, Transports and Aeronautics. Her main research interests include solid mechanics, thermal, computational mechanics and biomechanics. She is author or co-author of more than 150 articles published in peer reviewed journals and conferences. She has served on scientific program committees of several conferences and member of editorial board in different journals.
Orcid link: http://orcid.org/0000-0003-1854-6514

Hernani Miguel Reis Lopes is Professor at the Department of Mechanical Engineering of the Polytechnic Institute of Porto, Portugal. She teaches or has taught undergraduate and master courses and supervising different Master and PhD thesis. He has the Ph.D. degree in Mechanical Engineering from University of Porto, Portugal. Researcher of LAETA, INEGI, Associated Laboratory for Energy, Transports and Aeronautics. He participated in 4 international and 3 national research projects on development of experimental techniques applied to mechanical characterization of structures and led a Portuguese Foundation. He has more than 100 publications in international conferences and journals, being 2 book chapters and 40 papers in peer reviewed journals.
Orcid link: http://orcid.org/0000-0002-9344-8503

Call for Papers:

Structural mechanics is a field of applied mechanics, dedicated to the study of deformations, stresses, flexibility, dynamics and material properties.

Nowadays, the structural mechanics is a very active research field, due to the search for innovative solutions, the study of structural behavior and the characterization of new materials.

This Special Issue aims to discuss these aspects, giving a clear and complete overview in these fields. New trends in structural mechanics will be discussed along with the recent developments and solutions that are still under investigation.

The goal of this special issue “New trends in structural mechanics” is to bring together the latest developments and challenges on structural mechanics.

One important feature of this special issue is the interdisciplinary between different works and the great interest that resulting in collaboration between different researchers from the areas: mechanical engineering, civil engineering, thermal engineering and material engineering.

In across all regions of the world, researchers work together to gain knowledge and to find new trends that can support the development in the structural mechanics.
This special issue seeks to publish papers aimed at addressing significant issues and contributing towards addition of new concepts, trends and knowledge to science. We are happy to invite you to submit a paper for the Journal of Mechanical Engineering and Biomechanics (JMEB) for a special issue “New trends in structural mechanics”.

Original articles in the following topics are welcome for submission.

Specific topics:

- Stresses analysis
- Thermal analysis
- Digital image
- New materials
- Computational solutions
- Experimental solutions

Manuscript Submission (Guidelines):

Papers can be submitted through regular submission process: author can register by using the link http://rationalpublication.com/registration.php, after reading “Instructions to authors” through http://rationalpublication.com/jmeb/instruction-to-authors.php, thereafter, manuscript can be submitted through http://rationalpublication.com/admin/login, two files are required for submission: 1) Cover (mention Special Issue “New trends in structural mechanics”) 2) Manuscript.

The Managing AE will be responsible for organizing the review process. The review process will be same as for the regular submission.

Time-line:

- Manuscript submission Due: 31 January, 2020
- First Review Completed: 29 February, 2020
- Revised manuscript Due: 31 March, 2020
- Second Revision completed and Final Decision: 18 April, 2020
- Final Manuscript Due: 31 May, 2020

This special issue is being edited by:

Elza Maria Morais Fonseca (elz@isep.ipp.pt) and Hernani Miguel Reis Lopes (hml@isep.ipp.pt)
Polytechnic Institute of Porto, School of Engineering ISEP
Rua Dr. António Bernardino de Almeida, 431
4249-015 Porto - PORTUGAL

For any queries related with the Special Issue, please feel free to contact the Guest Editors
Or: managing_editor@rationalpublication.com; support@rationalpublication.com