

Recent advances in the mechanical modelling of composite materials and periodic structures

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The special session aims at providing a forum for the presentation and discussion of the most recent theoretical, numerical and experimental results in the field of the mechanical modelling of composite materials and periodic structures.

The topics include but are not limited to:

- Identification of equivalent homogeneous solids;
- Nonlinear mechanics
- Material instabilities
- Behaviour under extreme conditions
- Constitutive modelling
- Wave propagation and impact
- Nonlocal modelling

Acknowledgements: support from the ERC Advanced Grant ‘Instabilities and nonlocal multiscale modelling of materials’ ERC-2013-ADG-340561-INSTABILITIES (2014-2019) and from the ERC Starting Grant Agreement n. 306622 (ERC Starting Grant “Multi-field and multi-scale Computational Approach to Design and Durability of PhotoVoltaic Modules” - CA2PVM; PI: Prof. M. Paggi) is gratefully acknowledged.



Multi-field and multi-scale Computational Approach to design and durability of Photovoltaic Modules – CA2PVM

