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

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