

Title:

Numerical Methods and Modeling for Lightweight Structures

Organizers:

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Abstract:

The session on “Numerical Methods and Modelling for Lightweight Structures” is targeting the important field of numerical modelling of lightweight structures. These include tensile structures, grid-shells or tensegrity structures along with their analysis. Within the scope of this session lies the process of numerical description and modelling from a geometrical and structural point of view, including interactive and parametric design processes, as well as the numerical methods which are used for the design and analysis.