

Thin-Walled Structures - analysis and application

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SUMMARY

This symposium is to provide a forum to discuss recent advances and address the future prospects in the area of thin-walled structures theoretical analysis, experimental research, numerical simulation and practical application. The main interest will be focused on stability and failure of structural components, structures and materials. Thus there are invited works on topics which include, but are not limited to:

- Instability in columns, beams, plates, shells and sandwich structures.
- Post-buckling analysis including analytical/computational modelling and methods.
- Dynamic stability problems including energy absorption systems or crashworthiness analysis.
- Interactive buckling in thin-walled structures.
- Progressive cellular buckling and snaking.
- Buckling of micro/nano and lattice structures.
- Failure mechanics of materials including cracks, delaminations and micro-buckling.
- Non-local mechanics including instabilities in systems with non-local effects.
- Orthotropic and anisotropic materials and related stability problems.
- Instabilities in layered and metallic media including shear and kink band formation.
- Experimental techniques and stands design for laboratory tests

The exchange of experiences in the broad field of thin-walled structures among scientist and practitioners seems to be a practical value and could bring a next step in development of theory approach and numerical modelling.

INFORMATION FOR MINI-SYMPOSIUM ORGANIZERS

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1. Electronic registration of the mini-symposia proposals may be done via Congress website (inside the registration form) or via e-mail (office2@pcm-cmm2019.edu.pl) and ends on December 31st, 2018.
2. Each mini-symposium should cover at least one session with a minimum of 6 presentations, each 15 minutes long. Mini-symposia organizers will have the possibility to propose/accept one introductory keynote speech, longer than other mini-symposium lectures.
3. Upon acceptance of the mini-symposium proposal (January, 2019), it will appear in the Congress web page to allow speakers to assign their abstracts to the selected mini-symposia.
4. The mini-symposia organizers will be responsible for the acceptance of submitted papers (the whole process of submission and review will be carried out electronically).
5. The mini-symposia organizers are expected to attend the conference and to chair their sessions (they may contribute to the mini-symposium as well).
6. The conference organizers reserve the right to merge mini-symposia, or to redirect preregistered abstracts to the other mini-symposia.