

---

# Linear and Nonlinear Vibrations of Complex Structures

El Mostafa Daya<sup>\*1</sup>, Hakim Boudaoud<sup>\*†2</sup>, and Guillaume Robin<sup>\*‡1</sup>

<sup>1</sup>Université de Lorraine (UL) – Université de Lorraine - LEM3 (UMR7239) – 34 cours Léopold - CS 25233 - 54052 Nancy cedex, France

<sup>2</sup>Université de Lorraine (UL) – université de lorraine ERPI – 34 cours Léopold - CS 25233 - 54052 Nancy cedex, France

## Abstract

The objective of this mini-symposium is to constitute a forum for the exchange of knowledge concerning the latest research developments in the field of vibrations. The focus is on new advances in both numerical and experimental methods for linear and non-linear vibrations analysis of complex structures such as thin-walled structures, composites, meta-materials and additive manufactured structures.... Topics of interest include, but are not limited to: experimental methods for passive and active control, reduced models, methods for vibroacoustics problems and new numerical methods to engineering vibration, dynamics, wave propagation problems and others. –

**Keywords:** Thin walled structures, composites, Passive and active damping, vibroacoustics, vibrations

---

\*Speaker

†Corresponding author: hakim.boudaoud@univ-lorraine.fr

‡Corresponding author: guillaume.robin@univ-lorraine.fr