Minisymposium Title

Structural dynamics and acoustics

Description

By considering vibration and acoustics analysis at design stage, novel properties in vibration reduction, noise isolation and structural stability can be exploited. Such analysis involves theoretical studies, modelling of structures and tuning numerical models to match the actual components. This mini-symposium let participants report the latest research in the fields of structural dynamics and acoustics. Topics include, but not limited to, structural vibration, wave propagation, computational and theoretical acoustics, vibroacoustics, metastructures for noise and vibration mitigaion. Papers on theoretical development, computational modelling, and practical applications are welcomed.

Lead Organizer:

Prof. Yum-Ji Chan, Department of Mechanical Engineering, National Chung Hsing University, TAIWAN

Email: yjchan@nchu.edu.tw

Co-organizers:

Prof. Jung-San Chen, Department of Engineering Science, National Cheng Kung University, TAIWAN

Email: jschen273@mail.ncku.edu.tw

Prof. Wei-Jiun Su, Department of Mechanical Engineering, National Taiwan University, TAIWAN

Email: weijiunsu@ntu.edu.tw

Prof. Chien-Hong Lin, Department of Mechanical Engineering, National Cheng Kung University, TAIWAN

Email: clin@mail.ncku.edu.tw