

Special issue on Fluid-Structure Interactions

Preface

This special volume consists of selected papers from the mini-symposium ‘Fluid-Structure Interactions’ in the ‘The 2015 World Congress on Advances in Structural Engineering and Mechanics (ASEM15)’ held at Songdo Convensia, Incheon, South Korea, during August 25-29, 2015. The papers in this volume were selected from the oral presentations at the mini-symposium and have all been peer-reviewed. The symposium focused on flow-induced forces on single and multiple bluff bodies, flow control, vortex shedding, and vortex impingement influence on acoustic resonance. By means of the works presented in this symposium, it has been revealed that the flow over two or more bluff bodies is highly complicated, involving shear layer interaction, vortex impingement, flow interference, vortex-induced vibration, resonance, noise generation, etc. A most challenging future direction of research coming from the works in this symposium is the prediction of forces or noises due to shear layer interaction and vortex impingement. We would like to thank all authors for submitting their papers for this special issue and for commitment to revising their papers following the reviewer comments. We cordially acknowledge the reviewers for their time and effort in reviewing the papers.

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