

Preface

The 10th International Conference on Vibration Engineering and Technology of Machinery (VETOMAC X) 2014 in Manchester is the 10th instalment in a series of conferences being held in an effort to bring together researchers and engineers working in the field of vibration. This conference is organised by the University of Manchester (in collaboration with the Vibration Institute of India) and held in Manchester, UK, during 9–11, September 2014. The conference aims to provide engineers and researchers a platform for sharing their innovative and creative research findings aimed to benefit the engineering and technology of machinery.

VETOMAC X covered a holistic plethora of relevant topics in vibration and engineering technology including (but surely not limited to); Condition Monitoring, Machinery and Structural Dynamics, Rotor Dynamics, Experimental Techniques, Finite Element Model updating, Industrial case studies, Vibration control and Energy harvesting, Signal processing, etc. The conference concentrated on nearly 100 papers from key researchers and engineers from universities, private and public research centres and industries from more than 20 countries worldwide. The papers were subjected to a unanimous peer review by experts from different fields covered by the conference before being accepted for oral presentation and publication. The full proceeding also includes six invited lectures from renowned experts: Prof. K. Gupta, Mr. W. Hahn, Prof. A.W. Lees, Prof. John Mottershead, Prof. J.S. Rao and Dr. P. Russhard.

The organisers would like to thank the keynote speakers, authors, presenters and session chairs for their participation. Special gratitude must be extended to a number of individuals whose invaluable help enabled the organisation of the VETOMAC X 2014 Conference in Manchester, UK. Sincere gratitude is also expressed to the scientific committee and all the reviewers. The consistent support of the School of Mechanical, Aerospace and Civil Engineering (MACE) of The University of Manchester in every respect in organising VETOMAC X 2014 is gratefully acknowledged.

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