

Preface

The Proceedings of the XII-th International Symposium „ACOUSTICS & VIBRATION OF MECHANICAL STRUCTURES” – AVMS-2013, contains papers contributed to the Symposium held on 23-24th May 2013 in Timișoara, Romania.

The first AVMS was successfully taken place in Timișoara, May 1991. Since then, the AVMS has targeted the creation of a platform for researchers, engineers, academicians as well as industrial professionals to share their research results and experiences in the field of acoustics and vibration. At every two years, the AVMS offered a broad overview on the latest advances and future perspectives in this exciting field of research.

The Symposium covers broad areas of topics related to acoustics and vibration, among them: Noise and vibration control; Noise and vibration generation and propagation; Effects of noise and vibration; Condition monitoring and vibration testing; Nonlinear acoustics and vibration; Analytical, numerical and experimental techniques for noise and vibration; Modelling, prediction and simulation of noise and vibration; Environmental and occupational noise and vibration; Noise and vibration attenuators; Biomechanics and bioacoustics.

All papers included in this volume had undergone the careful peer-review by the experts of the International Scientific Committee and external reviewers before publication. We are very grateful to them for spending their valuable time to review the papers.

We would like to express our sincere appreciation to keynote speakers and all contributors of the presented papers for sharing their knowledge and experiences with all the participants. We are also expressing our sincere thanks to the members of the International Scientific Committee and also to the members of the Organizing Committee for ensuring the success of this Symposium which would not have been possible without their support.

We hope this book will inspire future developments in the field of acoustics and vibration of mechanical structures, stimulating and accelerating the advancement in knowledge in this field.

Finally, special thanks are given to Trans Tech Publications for producing this volume.

Editors,

Nicolae HERIȘANU
Vasile MARINCA

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University of Nis, Faculty of Occupational Safety – Noise and Vibration Laboratory

Romanian Academy, Timisoara branch-Center for Fundamental and Advanced Technical Research

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