

Preface

The first International Conference on Acoustics and Vibration ICAV2016 was held in Hammamet, Tunisia, from March 21 to March 23, 2016. This book contains a compilation of 30 papers presented during this conference. ICAV2016 is the first conference of the Tunisian Association of Industrial Acoustics and Vibration (ATAVI). One of the main objectives of this association is to promote communication and collaboration between international and local communities involved in the fields of acoustics and vibration through the organization of conferences and seminars to promote science-based research and encourage meetings between professionals and researchers in the fields of interest. ICAV2016 was an excellent opportunity to gather about 100 researchers who discussed in plenary sessions and parallel sessions all aspects related to the topics of the conference which are summarized as following:

- Structural Acoustics and Vibration
- Industrial and Environmental Acoustics
- Fault Diagnosis and Prognosis
- Fluid-Structure Interaction
- Noise Source Identification
- Vibration Field Measurements and Force Identification
- Vibration and acoustics of Mechatronic systems

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