FOREWORD

This book of proceedings collects the extended abstracts of the oral lectures and posters presented at the 34th Danubia Adria Symposium on Advances in Experimental Mechanics, 19 - 22 September 2017, Trieste, Italy, organized by prof. Francesca Cosmi, Department of Engineering and Architecture at University of Trieste and M2Test srl, under the patronage of Danubia-Adria Society on Experimental Methods (DAS) and its Italian Member Organization, Società Scientifica Italiana di Progettazione Meccanica e Costruzione di Macchine (AIAS).

This book collects 90 extended abstracts coming from European and non-European countries: Argentina , Austria, Croatia, Czech Republic, Germany, Hungary, Italy, Japan, Poland, Romania, Serbia, Slovakia, Slovenia. It features 16 oral lectures and 74 posters. Each extended abstract published in the proceedings has been evaluated by members of the Scientific Committee of Danubia-Adria Society on Experimental Methods, http://das.tuwien.ac.at .

Several areas of experimental mechanics are covered in these proceedings. The range of subjects addressed testifies the relevance of experimental validation, reliability assessment and characterization of new materials as we move further into a digital and connected world of automation and data exchange in manufacturing technologies.

Francesca Cosmi

EXTENDED ABSTRACTS

1. ORAL presentations

2. POSTER presentations: Biomechanics

3. POSTER presentations: Integration of mathematical/numerical methods with experimental mechanics

4. POSTER presentations: Instrumentation

5. POSTER presentations: Material characterization and testing

6. POSTER presentations: Practical applications and case studies

7. POSTER presentations: Recent developments in international Standardization and technical regulations

8. POSTER presentations: Structural analysis