

Preface

This volume includes the papers selected from the World Conference on Acoustic Emission—2015 (WCAE-2015) that was held on November 10 to November 13 in Hawaii, USA. WCAE was the formal conference of the International Society on Acoustic Emission (ISAE). WCAE-2015 was jointly organized by Acoustic Emission Technology Consulting (Mr. Allen Green) and the University of Memphis (Prof. Gary Qi). This was the third of such event of ISAE followed by its inaugural one in 2011 in Beijing and second in 2013 in Shanghai, China. WCAE is aimed at providing a platform to scientists and practitioners in both academia and industry in the field of acoustic emission and exchanging research and application information, with particular emphasis on scientific and technical development and cooperation worldwide.

The WCAE-2015 consisted of three invited keynote lectures, nine oral and one poster sessions. It covered all major areas of acoustic emission applications, including Instrumentation, Signal Processing and Analysis, Material Characteristics, Structure, Condition Monitoring and Diagnosis, and Miscellaneous.

WCAE-2015 received 38 submissions, which were documented in the extended abstracts of WCAE-2013. Thirty-seven full papers were submitted for the consideration of achieved formal proceeding. After peer reviews, 34 were included in this volume.

We are grateful to all the members of the committees who contributed their efforts to review the manuscripts. We would also like to express our sincere gratitude to Acoustic Emission Technology Consulting (Mr. Allen Green) and the University of Memphis (Prof. Gary Qi) for their enormous supports. Last, but not the least, we thank the contributions of all the delegates who participated in WCAE-2015.

Beijing, China

Gongtian Shen
Zhanwen Wu
Junjiao Zhang

Advances in Acoustic Emission Technology
Proceedings of the World Conference on Acoustic
Emission-2015

Shen, G.; Wu, Z.; Zhang, J. (Eds.)

2017, XIV, 428 p. 309 illus., 267 illus. in color.,

Hardcover

ISBN: 978-3-319-29050-8