

Gongtian Shen
Junjiao Zhang
Zhanwen Wu *Editors*

Advances in Acoustic Emission Technology

Proceedings of the World Conference
on Acoustic Emission—2019

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Editors

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on Acoustic Emission—2019

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Preface

This volume includes the papers selected from the World Conference on Acoustic Emission—2019 (WCAE-2019) that was held during November 5–8 in Guangzhou, China. WCAE was the formal conference of the International Society on Acoustic Emission (ISAE). WCAE-2019 was jointly organized by Chinese Society for Non-destructive Testing (ChSNDT) and China Special Equipment Inspection and Research Institute (CSEI). This was the fifth of such event of ISAE followed by its inaugural one in 2011 in Beijing, second in 2013 in Shanghai, China, third in 2015 in Hawaii, USA, and fourth in 2017 in Xi'an, 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-2019 consisted of five invited keynote lectures, ten oral, and one poster sessions. It covered all the major areas of acoustic emission applications, including Instrumentation, signal processing and analysis, material characteristics, structure, condition Monitoring and diagnosis, and miscellaneous.

WCAE-2019 received 73 submissions, which were documented in the extended abstracts of WCAE-2019. Fifty-eight full papers were submitted for the consideration of achieved formal proceedings. After peer reviews, 50 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 Chinese Society for Non-destructive Testing (ChSNDT) and China Special Equipment Inspection and Research Institute (CSEI) for their enormous supports. Last but not least, we thank the contributions of all the delegates who participated in WCAE-2019.

Beijing, China

Gongtian Shen
Junjiao Zhang
Zhanwen Wu

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