

# Lecture Notes in Electrical Engineering

Volume 568

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Editors

# Proceedings of the 6th Conference on Sound and Music Technology (CSMT)

Revised Selected Papers

 Springer

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ISSN 1876-1100

ISSN 1876-1119 (electronic)

Lecture Notes in Electrical Engineering

ISBN 978-981-13-8706-7

ISBN 978-981-13-8707-4 (eBook)

<https://doi.org/10.1007/978-981-13-8707-4>

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# Preface

For the first time ever, the leading Chinese computer audition conference, the Conference on Sound and Music Technology (CSMT), has published separate proceedings in English. This remarkable event is a perfect present for the sixth birthday of CSMT and is a great opportunity for Chinese machine audition researchers to present their ideas to the world as an organised group.

The predecessor of CSMT was the China Sound and Music Computing Workshop (CSMCW), which was initially organised by Tsinghua University and Fudan University in 2013. Another main organiser of the conference, the Shanghai Computer Music Association, has been involved in running the conferences since 2014. The first two editions of CSMCW were held in Fudan University and Tsinghua University in Shanghai and Beijing, respectively, and were followed by the third edition of CSMCW hosted by Shanghai Conservatory.

In 2015, CSMCW was rebranded as CSMT since the original workshop had expanded to become an academic conference. Held by Nanjing University of Posts and Telecommunications, the fourth edition of CSMT called for papers in Chinese and the accepted papers were recommended to the Journal of Fudan for publication. The fifth edition of CSMT was a satellite workshop of the world-leading computer music conference, ISMIR (International Society of Music Information Retrieval), which was held by Soochow University, Suzhou, China.

The sixth edition of CSMT was held in Xiamen, China. This was the first CSMT conference calling for English submissions and the first to publish its own proceedings. Since 2013, the number of attendees has grown rapidly, from a couple of dozen to more than 200.

Despite being well recognised as an independent research domain for a decade, machine audition, which encompasses computer-based music processing and analysis and acoustic signal processing, has not been a separate research domain in China but has been considered as a part of traditional research domains, such as multimedia signal processing, automation, musicology and audio engineering.

As the organisers of CSMT, we believe the growth of CSMT will help machine audition to become an independent research domain in China and machine audition will play an important role in the rapid development of China. Moreover, with the

development of machine audition all over the world, researchers in China can make better use of the existing experience by making it an independent research domain, such as stronger collaborations between musicologists, psychologists and engineers, and embracing acoustic signal processing as an important part of the field.

In conclusion, this milestone publication of proceedings in English will stimulate the growth of computer audition as a separate research domain.

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