

Preface

The conference of ITASC (International Symposium on Intelligent Transportation and Smart City) was originated from idea of Intelligent Transportations and Information Technology. The 1st ITASC conference started as branch of the International Symposium on Autonomous Decentralized System (ISADS) was held in March 2013 in Mexico City. In the inauguration event, researchers and practitioners from China, Japan, USA, Mexico, and other countries shared in research, technologies, and experience in metro construction and maintenance. Main technologies discussed in that conference have been built and operated in rail transit in China and Japan. The 2nd ITASC was successfully held in May of 2015 in Shanghai. Over 40 specialists, researchers, and practitioners presented latest work in the conference, including academicians from China and Austria, chief technology officer from central bank of Mexico, and authoritative entrepreneurs. More than 300 people from about 50 universities and corporations attended the conference.

ITASC 2017 carries on the success of the previous two meetings and is held in May 19–21 in Shanghai. The symposium focuses on green transportation and urban utility and offers a forum for researchers, practitioner, and entrepreneurs to discuss the latest research and developments in transportation, civil engineering, information technology, and environment engineering. The topics of the symposium include the theoretical foundation, modern technologies and their applications in intelligent transportation and smart city, aiming at building a harmony for our city life. During the symposium, we focus on discussing how to deploy new techniques and products into transportation, municipal construction, and information controlling, and thus, promote the progress of these related science and technology.

In this proceeding, we chose 31 articles from more than 60 submitted articles, which cover several professional fields, such as transportation and civil engineering, IT, environmental science, and quite a few of these articles chose a specific prospective to describe the new ideas of crossing different professional fields, which gave readers great inspiration of solving problems. As the prosperous development of technologies combined with IT growing in China, there are urgent needs and huge application prospects to keep more and more attention on the intelligent

transportation and smart city, which has already been successfully implemented in some developed areas.

Like the former ITASC symposiums, we again invited the top scholars from all over the world, including specialists of universities, entrepreneurs, and even the governments, to share their wonderful discoveries and experiences, and 200–300 people may attend the symposium in estimation. We hope all those who are interested in improving our urban living qualities could attend ITASC 2017 to communicate with us, and give our sincere thanks to all sponsors, press, print, and electronic media for their excellent coverage of this conference.

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