

Preface

The first ICPT conference was held in 1993 in Singapore. Since then, six (6) more conferences were conducted in five (5) countries over the last twenty (20) years. Following the footsteps of the previous seven events, the 8th International Conference on Road and Airfield Pavement Technology (ICPT'2013) is being held in Taipei, Taiwan, from July 14 to 18, 2013. ICPT'2013 is organized by Chinese Society of Pavement Engineering (CSPE, Taiwan) and sponsored by CSPE and International Committee on Road and Airfield Pavement Technology (ICPT). Conference co-sponsors include Public Construction Commission (Taiwan), Ministry of Transportation and Communications (Taiwan), Ministry of Education (Taiwan), Bureau of Foreign Trade (Taiwan), Construction and Planning Agency (Taiwan), National Science Council (Taiwan), Taipei City Government (Taiwan), New Taipei City Government (Taiwan), Taoyuan County Government (Taiwan), Taiwan Taoyuan International Airport, CECI Engineering Consultants, Inc. (Taiwan), Taiwan Industrial Asphalt Association, National Central University (Taiwan), Feng-Chia University (Taiwan), American Society of Civil Engineers (ASCE), Transportation Research Board (TRB), and International Association of Chinese Infrastructure Professionals (IACIP).

ICPT'2013 is a premier forum for exchange of innovations, recent research findings, new advancements, etc. in the fields of highway and airfield pavement technology. The conference brings together researchers and practitioners from academia, government officials, and industries at home and around the world to discuss and share ideas and latest advancements in the highway and airfield pavement engineering and related areas. More than 200 papers are being presented in the conference and a record-breaking attendance of more than 800 people is expected. All papers have been subjected to vigorous peer reviews by at least two (2) experts with relevant expertise. Their efforts are essential to the success of the conference and are greatly appreciated.

This volume contains partial papers presented in the conference and is divided into seven (7) chapters: Pavement Design, Evaluation and Performance; Pavement Materials; Sustainability in Pavement Engineering; Pavement Maintenance, Rehabilitation, and Preservation; Pavement Management Systems; Construction and Transportation Engineering; and Airfield Pavement. This volume will serve as valuable resources and references for all conference participants for their future research studies.

We would like to express our sincere appreciations to Trans Tech Publications for producing this volume; to all authors for their contributions to this volume; and to all invited keynote speakers, sponsors, and delegates for making the ICPT'2013 a successful event.



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