The subject matter must not be of a speculative nature and the contents must not include materials of an advertising nature. The paper must not be seriously defective as to form and structure, continuity of thought, and clarity of expression. The substance of the paper should not have been published previously in any other literature.

Authors preparing papers for submittal should observe the conventions of style explained in the ASTM Style Manual. Since the journal does not require page charges, the author is expected to conform to these standard conventions for style and the inclusion of complete references and high-quality figures. SI units are to be used throughout; if data were not measured in SI units, a note should appear to that effect and the original units should be included in parentheses after the SI units.

In Appreciation of the Reviewers
The high quality of the papers that appear in this publication is a tribute not only to the obvious efforts of the authors represented but to the unheralded, though essential, efforts of their reviewers. It is to the reviewers dedication to upholding the high standards of their profession that this note pays tribute. On behalf of ASTM International and the authors as well, we acknowledge with appreciation their important contribution to the success of this journal.

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Introduction

With the booming construction of pavement and bridges and the need for maintenance of existing transportation infrastructure, China is becoming the test-bed for new ideas, new designs, and new technologies. This special issue on “Emerging Asphalt Pavement in China: Design, Construction, Evaluation, and Recycling” summarizes the state-of-the-art advancement and cutting-edge research in related areas, which are written by some of the leading researchers in China.

This special issue is a collection of 24 papers that have passed through a rigorous peer review process in accordance with the academic standards set up by the Journal of Testing and Evaluation. The selected papers cover a broad spectrum of topics, including design, construction, evaluation, maintenance, modeling, and materials. The first four papers focus on pavement design, including ice removal, permeability loss, light weight pavement, and landscape. The next paper focuses on new construction by simulating coarse aggregate motion during compaction. The six papers that follow deal with performance evaluation and recycling, including aged asphalt, reclaimed asphalt pavement, and waste tire recycling. The next three papers focus on pavement structure and materials modeling, including digital specimen and discrete element modeling, and dynamic load simulation of pavement structures. Because materials are the most active aspect in advancing pavement structures, we collected a large group of diversified papers on various properties of materials, including reflective cracking, low temperature cracking, moisture, modulus, interfacial bonding, surface texture, fatigue, grouting, and aging. This group of papers consists of the remaining articles in this special issue.

The guest editors of this special issue hope that the advancement, experience, and lessons learned in China will be of interest to the whole world. We are grateful to have achieved such a high quality collection of papers and would like to thank the authors for their contributions. We would also like to thank the Editor-in-Chief and staff in the editorial office of the Journal of Testing and Evaluation for their assistance during the course of organizing this special issue. Finally, we would like to thank the anonymous reviewers for their rigorous review.

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