INTRODUCTION

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The 4th International Conference on Transportation Infrastructure and Sustainable Development (TISDIC 2023) took place from 26th to 28th August 2023 at the Danang Administrative Centre in the captivating city of Danang, Vietnam.

Renowned as one of the most distinguished international conferences in the field of transportation infrastructures within Vietnam, TISDIC has garnered widespread acclaim. It stands as a pivotal platform where leading academics, government entities, civil society representatives, and the private sector converge to exchange research insights and innovative solutions, propelling sustainable development goals in transportation infrastructures.

TISDIC 2023 includes five primary topics, offering a comprehensive exploration of Advanced Structural and Bridge Engineering, Road and Transport Engineering, AI, IoT and Automation in Transportation Systems, Construction and Building Materials for Sustainable Development, and Geotechnical and Geoenvironmental Engineering. By focusing on these areas, the conference aims to highlight the latest advancements and address the pressing challenges facing the field.

The overwhelming response to TISDIC 2023 is a testament to its significance, with a remarkable total of 142 papers submitted for consideration. Through a rigorous evaluation process, 106 papers were selected for publication in IOP Conference Series: Materials Science and Engineering and 10 papers were selected for publication in this special issue.

We extend our heartfelt appreciation to the authors for their invaluable contributions, which have enriched the conference proceeding. We also express our deepest gratitude to the dedicated reviewers, whose expertise and meticulous evaluation ensured the inclusion of high–quality papers. Their contributions are instrumental in fostering intellectual growth and pushing the boundaries of knowledge in transportation infrastructures.

Special Issue's Guest Editors

Assoc. Prof. Nguyen Hong Hai, Prof. Hoang Phuong Hoa, Dr. Phan Hoang Nam