Preface

The overall task of urban engineering system planning is to reasonably determine the scale and capacity of the standard facilities for planning and construction of each professional engineering system during the urban planning period, and scientifically arrange the facilities according to the economic and social development goals of the city and the actual situation of the city and formulate corresponding construction strategies and measures.

The 2023 4th International Conference on Urban Engineering and Management Science (ICUEMS 2023) was held in Zhengzhou, China from January 13th to 15th, 2023. The aim of the symposium was to provide an opportunity for international experts, academics, researchers, practitioners and students working in the areas of urban engineering and management science to exchange information on the R&D and commercialization of urban engineering and management science. New developments, concepts, future research trends and potential commercialization areas were also discussed.

The topics covered by ICUEMS 2023 were: Architecture and Urban Planning, Environmental Engineering, Civil and Structural Engineering, Logistics and Supply Chain Management, Urban Traffic Management, etc. Approximately 60 experts and scholars from almost 10 countries participated in the conference. The conference featured keynote speeches, oral presentations, poster presentations, and academic tour.

During the keynote speech part, four well-known professors delivered expertise lectures by imparting the latest findings from their respective research domains. Among them, Assoc. Prof. Nurhayati Abdul Maleki from Mara University of Technology, Malaysia addressed a keynote speech on the title Comparative Study on School Children's Biophilic Learning Setting: A Case Studies of Asian Countries. Recent studies found that an inconducive school design environment that does not fully support students' needs and preferences is one of the main reasons for this. Hence, this paper explores children's choices for biophilic elements in primary school design in three Asian countries: Malaysia, Indonesia, and Thailand. The data and results presented for this study can be used as a general guideline, particularly in integrating nature as part of the future school design elements in Asian countries. It was a wonderful opportunity for all the participants to interact with the experts and specialists to get their advice or suggestions.

We would like to express our gratitude to all participants for their presentations and discussions, which made the conference very successful indeed. We are also grateful to the Conference Chairman, the Publication Chairs, the Technical Program Committee Chairs, the Local Organizing Chairs, and the Technical Program Committee members for their fruitful work. We would like to express our thanks to all the authors for their time and genuine efforts, and to the reviewers for their fruitful comments during the preparation of this volume.

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