

Preface

The 2025 6th International Conference on Urban Engineering and Management Science (ICUEMS 2025) was held in Tianjin, China, on 19–21 September 2025. As an international academic conference focusing on the core themes of global urban development, ICUEMS 2025 was guided by the in-depth integration of management science and urban engineering. Based on the global sustainable development goals and the key problems in the process of urbanization including resource allocation and intelligent urban upgrading, the conference aimed to optimize urban infrastructure, environmental management, and smart urban operation by utilizing advanced management approaches, thereby providing support and solutions for building a more livable, resilient, and sustainable urban future.

Interdisciplinarity, a defining feature of ICUEMS 2025, was fully embodied in all aspects of the conference. The conference featured five keynote speeches, which demonstrated the cross-disciplinary nature and wide applicability of urban engineering and management science. The Technical Program Committee, comprising experts from diverse institutions including Erasmus University Rotterdam, University of Nottingham, and Near East University, established a multi-domain review system covering communication engineering, educational management, and digital technology. Multiple topics were presented in oral and poster presentations, such as urban cultural heritage, medical equipment training, and mental health services, highlighting the innovative trends of interdisciplinary synergy and offering multi-dimensional insights for urban development. ICUEMS 2025 served not only as a platform to share theoretical achievements, explore technological pathways, and facilitate industry-academia collaborations, but also as a driver for transforming academic findings into the implementation of practical solutions for urban development.

As core components of this conference proceedings, all accepted papers, which have undergone a strict peer review process, ensure long-term academic value. The closed loop from academic exchange and paper publication to global dissemination makes ICUEMS 2025 a critical link in advancing knowledge iteration in urban engineering and management science.

We sincerely thank the host institutions, committee members, reviewers, and paper contributors. We anticipate that the ICUEMS conference series will continue to inspire innovation, generate impactful outcomes, and contribute to the global environmentally sustainable urban ecosystem.

ICUEMS 2025 Conference Committee

Committee Member

General Chairs

Prof. Yanling Zhang, Tianjin University of Finance and Economics, China
Prof. Yuk Feng Huang, Universiti Tunku Abdul Rahman, Malaysia

Technical Program Committee Chairs

Prof. Hosam Bayoumi Hamuda, Obuda University, Hungary
Prof. Amjad Khabaz, Hasan Kalyoncu University, Turkey
Assoc. Prof. João Carlos Gonçalves Lanzinha, University of Beira Interior, Portugal
Assoc. Prof. Foo Keng Yuen, Universiti Sains Malaysia, Malaysia

Publication Chairs

Prof. Hongquan Song, Henan University, China
Assoc. Prof. Houssam Khelalfa, University of Jijel, Algeria
Prof. Joon Sik Kim, Xi'an Jiaotong-Liverpool University, China
Assoc. Prof. Mohammad Arif Kamal, Aligarh Muslim University, India

Organizing Committee Chair

Prof. Shuhua Zhang, Tianjin University of Finance and Economics, China

Local Organizing Chair

Prof. Liyan Zhang, Tianjin University of Finance and Economics, China

Technical Program Committee

Prof. Qiang Liang, Tianjin University of Finance and Economics, China
Prof. Bijay Kumar Kandel, University of South Pacific, Fiji
Prof. Ramayah Thurasamy, Universiti Sains Malaysia, Malaysia
Prof. Bashlay Sergiy, Sumy National Agricultural University, Ukraine
Prof. Edward Ng Hon Khay, Singapore Management University, Singapore
Assoc. Prof. Yan Li, Jiangnan University, China
Assoc. Prof. Koo Chai Hoon, Universiti Tunku Abdul Rahman, Malaysia
Assoc. Prof. Ali Najah Ahmed Al Mahfoodh, Universiti Tunku Abdul Rahman, Malaysia
Assoc. Prof. Yuriy Shvets, Financial University under the Government of Russian Federation, Russia
Assoc. Prof. Gaikar Vilas B., University of Mumbai, India
Assoc. Prof. Fei Liu, Tianjin University of Finance and Economics Pearl River College, China
Assoc. Prof. Li Tang, Tianjin University of Finance and Economics, China
Asst. Prof. Mesfin Yemer Yasin, Dire Dawa University, Ethiopia
Asst. Prof. Amaghous Jabrane, Cadi Ayyad University, Morocco
Asst. Prof. Muhammad Junaid, The University of Haripur, Pakistan
Asst. Prof. Kiran Razzaq, University of Baltistan, Pakistan
Asst. Prof. Lim Ming Han, Universiti Tunku Abdul Rahman, Malaysia
Asst. Prof. Lee Yee Ling, Universiti Tunku Abdul Rahman, Malaysia
Asst. Prof. Chin Ren Jie, Universiti Tunku Abdul Rahman, Malaysia
Dr. Ng Jing Lin, Universiti Tunku Abdul Rahman, Malaysia
Dr. Bihan Wang, Tianjin University of Finance and Economics, China
Dr. Lei Shao, Tianjin University of Finance and Economics, China

Organizing Committee

Prof. Xiuping Yang, Lanzhou University of Technology, China
Assoc. Prof. Jing Liu, Tianjin University of Finance and Economics, China
Assoc. Prof. Xuhui Chen, Tianjin University of Finance and Economics, China
Assoc. Prof. Pengwen Hou, Nankai University, China
Dr. Yun Liu, Southwest Minzu University, China