Preface

Gathered in the vibrant city of Harbin, China from January 19th to 21st, 2024, the 2024 International Conference on Urban Construction and Transportation (UCT 2024) (hybrid event) aimed to bring together experts, scholars, and practitioners from around the globe to share insights, discuss challenges, and explore opportunities in the fields of urban construction and transportation engineering.

UCT 2024 is not just an academic conference; it is a platform that reflects the pulse of the global urbanization trend and the evolving needs of modern transportation systems. With China’s urban population growing rapidly, the need for sustainable, efficient, and innovative urban construction and transportation solutions is paramount. This conference serves as a timely reminder of the urgency and importance of these issues.

The format of the conference was designed to foster a dynamic and interactive environment. From keynote speeches, oral presentations to free discussion and question & answer, UCT 2024 offered a comprehensive program that caters to the diverse interests and needs of its participants. It aimed to gather global wisdom and jointly promote urban construction and transportation development to new heights, providing strong support for building livable, smart and green cities. The conference welcomed submissions from a wide range of topics, including but not limited to Urban Infrastructure Construction, Green Ecological Community, City Public Safety System, Smart City Construction, Supply Chain Management, Urban Transportation Planning and Management, etc.

The proceedings of UCT 2024 are a testament to the rich intellectual exchange and insights generated during the conference. These papers, selected through a rigorous peer-review process, represent the latest research and thinking in urban construction and transportation. Their publication not only preserves this knowledge for future generations but also serves as a valuable resource for practitioners, policymakers, and researchers alike.

In conclusion, the 2024 International Conference on Urban Construction and Transportation is a milestone event that marks a significant step forward in our understanding and advancement of urban construction and transportation. The proceedings of this conference are a compilation of the best ideas, insights, and solutions that will help shape the future of our cities and transportation systems.

We would like to acknowledge all the authors, speakers, organizers, supporters, and all those involved in the preparing of the conference. Special thanks to E3S Web of Conferences for its support in publishing this proceedings.

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