



Delft University of Technology

## Preface

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# Preface

The 8th International Conference on Artificial Intelligence, Medical Engineering, and Education (AIMEE2024) was held in Huangshi, China on 26 and 27 October 2024. This conference was jointly organized by Wuhan University of Technology, Hubei University of Technology, Wuhan Textile University, Wuhan Technology and Business University, the Polish Operational and Systems Society, the National Technical University of Ukraine, the International Center of Informatics and Computer Science, and the International Research Association of Modern Education and Computer Science.

This collection of papers is divided into three sections: Artificial Intelligence and Scientific Methodology; Systems Engineering and Analysis: Concepts, Methods, and Applications; and Education Reform and Innovation. A total of 227 submissions were received by AIMEE2024, with 80 papers selected for presentation and publication after a rigorous international peer-review process. These papers propose new concepts and methodologies that may pave the way for researchers across different disciplines to conduct further research.

We hope this volume will contribute to the rapid evolution of artificial intelligence and its applications in various fields by facilitating collaboration and knowledge sharing among the growing interdisciplinary workforce in this exciting field. We extend our gratitude to all those who helped to make this conference a success. We thank our keynote speakers for sharing their invaluable insights and setting the stage for thought-provoking discussions. We are grateful to the program committee members for their diligent efforts in reviewing submissions and assembling an outstanding technical program, and the same gratitude goes to all authors for contributing their innovative research results, and to the attendees for joining us and making the conference a vibrant forum for learning and communication.

Finally, our sincere appreciation goes to the publisher, IOS Press, for preparing and publishing this volume.

## Conference Chairs

Prof. Z.B. Hu, National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Ukraine

Prof. Qingying Zhang, Wuhan University of Technology, China

Prof. Matthew He, Nova Southeastern University, Fort Lauderdale, USA

Prof. Felix Yanovsky, Delft University of Technology, Netherlands

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