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Editor

Computer Modeling and Intelligent Systems

Proceedings of The Eighth International Workshop
CMIS-2025



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This volume represents the proceedings of the Eighth International Workshop on Computer Modeling and Intelligent Systems (CMIS-2025), held in Zaporizhzhia, Ukraine, in May, 2025. It comprises 28 contributed papers that were carefully peer-reviewed and selected from 96 submissions.

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Preface

It is my pleasure to present you the proceedings of The Eighth International Workshop on Computer Modeling and Intelligent Systems (CMIS-2025), held in Zaporizhzhia, Ukraine on 5 of May 2025.

The CMIS workshop was held in 2025 for the eighth time at the National University "Zaporizhzhia Polytechnic", which celebrates in 2025 its 125-th anniversary and is the largest and oldest regional center for science and higher education in the Zaporizhzhia region of South-Eastern Ukraine.

The main purpose of the CMIS-2025 workshop is a discussion of the recent research results in all areas of Computer Sciences and Information Technologies. The workshop is soliciting research papers including, whilst not limited to, the following areas of interest: Artificial Intelligence, Computer Science Methods for Modeling, and Info-Communication Technologies for Data Analysis and Applications for Engineering, Medicine and Education.

The members of the program committee (PC) and the rules for paper selection have been publicly announced on the web page of the workshop (<https://www.facebook.com/groups/cmisis.workshop>). The PC members list also provided after the preface in these proceedings.

The submission of papers to the CMIS-2025 was open worldwide. There CMIS-2025 workshop countries of PC members and authors of submitted papers are: Algeria, Belgium, Canada, Egypt, Germany, India, Israel, Kazakhstan, Kyrgyz Republic, Netherlands, Poland, Portugal, Slovak Republic, Spain, Türkiye, Ukraine, and Vietnam. The number of countries of CMIS-2025 authors and PC members is 17.

The language of CMIS-2025 Workshop is English. The workshop took the form of oral presentations of peer-reviewed regular papers.

The CMIS-2025 Organizing Committee have received 96 paper submissions, out of which 28 were accepted for presentation as a regular papers in the result of reviewing process, where the editor, PC members, external and peer reviewers, who a well-known international scholars-experts in the CMIS-2025 topics, sought to ensure a high scientific level, as well as a high-quality presentation of the selected papers. These papers were published in this volume of CMIS-2025 proceedings.

The workshop would not have been possible without the support of many people. I would like to thank the CMIS-2025 PC Members, organization staff, and external reviewers for their excellent and tireless work. I sincerely wish that all attendees benefited scientifically from the workshop and wish them every success in their research. It is the humble wish of the workshop organizers that the professional dialogue among the researchers, scientists, and engineers continues beyond the event and that the friendships and collaborations forged will linger and prosper for many years to come.

May, 2025

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Celebrates 125-th Anniversary of foundation in 2025



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