

Preface: computational intelligence application workshop

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Abstract

This document is the preface of the Computational Intelligence Application Workshop (CIAW-2025), held on September 26-27, 2025, Lviv, Ukraine (<https://science.lpnu.ua/ciss-2025/workshop-ciaw-2025>).

Keywords

Computational Intelligence, Machine Learning, Smart Systems, Data Analytics

1. Preface

The **Computational Intelligence Application Workshop** (CIAW-2025) continues its mission to provide an international forum for presenting and discussing recent advances in Computational Intelligence and its applications to real-world problems. The workshop promotes collaboration among researchers, practitioners, and educators in areas such as machine learning, data mining, artificial neural networks, natural language processing, computer vision, optimization, and intelligent decision-support systems.

This year, the Organizing Committee received 51 submissions, of which 24 papers were accepted for presentation and publication after a thorough peer-review process.

The topics of accepted papers span a wide spectrum of current research areas, including but not limited to:

- Artificial Intelligence and Computational Intelligence;
- Neural and Deep Learning Models;
- Computer Vision and Image Processing;
- Natural Language Processing and Text Mining;
- Smart Systems and Internet of Things;
- Optimization and Meta-heuristic Algorithms;
- Forecasting, Classification, and Data-Driven Decision Support;
- Cybersecurity and Information Protection;
- Intelligent Systems for Education, Medicine, and Industry.

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The workshop language was English. The Computational Intelligence Application Workshop took the form of an oral presentation by peer-reviewed individual papers. The papers were distributed among 70 external reviewers from France, Germany, The Netherlands, the United States, the United Kingdom, India, Moldova, Czech Republic, Poland, Bulgaria, Portugal, Serbia, Slovenia, Finland and Ukraine. Each paper was reviewed by 3–6 independent reviewers, ensuring the scientific quality of the proceedings.

2. Acknowledgements

The Computational Intelligence Application Workshop (CIAW-2025) would not have been possible without the support of many people.

First of all, we would like to thank all the authors who submitted papers to the Workshop and thus demonstrated their interest in the research problems within our scope.

We are very grateful to the members of the Program Committee for providing timely and thorough reviews and for their cooperation in performing additional review work when needed.

We would also like to thank the Organizing Committee of the conference, whose devotion and efficiency made this instance of the Computational Intelligence Application Workshop a highly interesting and effective scientific forum. Special thanks go to the Workshop Chairs, the Program Committee, and all Reviewers for their diligence in selecting papers and ensuring their high scientific quality.

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