Preface: computational intelligence application workshop

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Abstract

This document is the preface of the Computational Intelligence Application Workshop (CIAW-24), October 10-12, 2024, held in Lviv, Ukraine.

Keywords

Computational Intelligence, Smart Systems, Artificial Neural Networks, Big Data Analytics

1. Preface

The main purpose of the **Computational Intelligence Application Workshop** is to discuss recent research results in all areas of Computational Intelligence Technology, including the development of smart systems, solving classification, segmentation, prediction tasks, and text data processing. The workshop is soliciting literature reviews, surveys, and comments on research papers, including, but not limited to, the following areas of interest:

- Computational Intelligence;
- Classification;
- Regression;
- Forecasting;
- Artificial neural networks;
- Machine learning;
- Natural Language Processing;
- Computer Vision;
- Big Data Analytics;
- Data mining.

The language of the Computational Intelligence Application Workshop is English.

The Computational Intelligence Application Workshop took the form of an oral presentation by peer-reviewed individual papers. The papers were distributed among 67 external reviewers from France, Germany, The Netherlands, the United States, the United Kingdom, India, Moldova, Czech

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Republic, Poland, Bulgaria, Portugal, Serbia, Slovenia, Finland and Ukraine. To make more correct decisions regarding the acceptance or rejection the papers got 3-7 reviews.

The Computational Intelligence Application Workshop gathered participants from different countries including Germany, Poland, Ukraine, Slovakia and Austria.

This year Organizing Committee received 27 submissions, out of which 16 were accepted for presentation as regular papers. These papers and extended abstracts were published in Volume I of the Computational Intelligence Application Workshop (CIAW-24) proceedings.

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