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co-located with the 2nd International Conference on Artificial Intelligence and Data Science (ICAIDS-2023)

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Front Matter ACI-2023

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Abstract

The ACI-2023 has been held in Dec 2023 as a special workshop under the umbrella of the 2nd International Conference on Artificial Intelligence and Data Science (ICAIDS-2023). 100+ experts from more than 20 countries were the part of ICAIDS-2023 conference and workshop committees. The workshop broadly focused on two thematic areas: i) Machine learning and deep learning approaches in trans-disciplinary applications, ii) Cloud Computing, Security and IOT. The rigorous and peer review selection process ensured that only high quality manuscripts in the above mentioned themes are accepted for final publication. We received a total number of 56 submissions in ACI-2023 with 24 papers finding their place in the final workshop proceedings.

Keywords

Computational Intelligence, Machine learning, Artificial Intelligence, Deep Learning, Internet of Things, Sustainable Computing, Cloud Computing, Data Security

Preface

Computational Intelligence (CI) spans a broad spectrum of approaches and methodologies, incorporating theories, theorems, proofs, axioms, applications, and comparative analyses of computationally driven paradigms. It offers computational resolutions to multifaceted challenges across various domains, ranging from databases to exa-scale systems, homogeneity to heterogeneity, volume to velocity, and variety to veracity in datasets. In today's landscape, where Exabytes of data are generated daily, there's a pressing need for intelligent methodologies and tools that are robust and adaptable enough to sift through this vast sea of data, extracting meaningful insights to aid users in making swift and informed decisions.

Given these imperatives, CI, with its conceptual frameworks, practical applications, and meta-heuristic approaches, holds significant relevance in addressing real-world problems. This workshop aims to document and disseminate the contributions of researchers, academics, and industry experts in the field of CI. It serves as a pivotal platform for the exchange of information, fostering tangible advancements in scientific output. Specifically, it will delve into key areas such as cloud computing, IoT, security, machine learning, deep learning, and AI in healthcare, showcasing how CI methodologies can be leveraged to tackle challenges and drive innovation in these domains.

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