

## Special Issue

# Deep Learning and Machine Learning in Information Systems

### Message from the Guest Editor

Deep Learning (DL) and Machine Learning (ML) continue to redefine the landscape of Information Systems (IS) research and practice. DL and ML have become key drivers of innovation and competitiveness in the digital economy, from intelligent decision support and predictive analytics to automated business processes and adaptive digital platforms. This Special Issue focuses on the growing demand for integrating DL and ML techniques in business operations that increasingly rely on data-driven decision-making and intelligent automation. DL and ML have become essential for enhancing system efficiency, improving predictive accuracy, and enabling real-time analytics. DL and ML techniques are transforming the core components of Information Systems, including data management, information retrieval, decision support, system optimisation, and intelligent applications across various sectors. We are pleased to invite contributions that explore new and improved models, algorithms, frameworks, architectures, and evaluation strategies that advance the field and offer practical, scalable value for industry and academia.

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### Guest Editor

Dr. Elliot Mbunge

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### Deadline for manuscript submissions

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## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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