# Special Issue

# Practical Usage of Artificial Intelligence within Online Educational Systems

## Message from the Guest Editors

The usage of AI in online educational environments opened the way to many practical implementations and features. Among the most well-known tackled issues, there are predictions of the final grade, prognosis of drop-out, various classification and recommender systems and many other applications. A specific area consists of Natural Language Processing tasks, which started to fully benefit from the latest Deep Learning architectures in the shape of Transformers. Another particular area regards Image Processing, which offers tremendous power to analyze specific data. Most of the AI facets found a way towards specific implementation into the application area of online educational environments to provide a personalized learning experience, better learning outcome, and a shorter and steeper learning curve. We have observed that the latest algorithmic AI progress has been developed into high-quality open-source libraries continuously improved, tested, and integrated into various application domains. This approach opens the way for significant improvements of existing features on even design and implementation of new ones within existing learning environments.

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## Deadline for manuscript submissions

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## Editor-in-Chief

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