

Special Issue

Human and Artificial Intelligence

Message from the Guest Editors

In recent years, significant advances have been made toward the realization of General Artificial Intelligence, especially in the Machine Learning (ML) (e.g., Deep Learning) domain. Several real-world tasks, however, cannot yet be solved by machines alone. Systems are hence needed that rely on the integration of Human and Artificial Intelligence to solve the most complex problems. In many academic and industrial intelligent agents, communication between humans and computers is a key factor. Many challenges, however, can hinder successful cooperation between the two actors. ML algorithms, for instance, fail to provide explanations for their actions, while human cognitive overload and human out-of-the-loop syndrome may result in lower performance.

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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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