

Special Issue

Uncertainty-Aware Artificial Intelligence

Message from the Guest Editors

Neural networks have brought eye-catching performance improvements to many approaches to many prediction and decision-making problems. Machines can perform a variety of complex tasks that only humans could perform several decades ago. In fact, machines are performing better than humans in various fields. However, neural network models provide poor predictions in many situations. The user of neural networks must develop an understanding of situations where neural networks can potentially provide poor performance. A good knowledge of the causes of uncertainties can potentially assist future researchers to design more robust models. Additionally, current users of the prediction systems would be able to understand the credibility of the prediction. The purpose of this Special Issue is to explore potential improvements that can lead us toward more stable neural network-based solutions. Potential authors are encouraged to submit new concepts according to the submission guidelines. The issue can potentially bring technological improvements and an improved understanding of concepts among everyone involved, including readers.

Guest Editors

Dr. Hussain Mohammed Dipu Kabir

Dr. Syed Bahauddin Alam

Dr. Subrota Kumar Mondal

Dr. Jeremy Straub

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
computers@mdpi.com

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Editor-in-Chief

Prof. Dr. Paolo Bellavista

Department of Computer Science & Engineering (DISI), University of
Bologna, 40136 Bologna, Italy

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