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Recent Advances in Data Science and Symmetry in AI: Theory and Applications

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

As data plays a key role in the development of theories and applications in artificial intelligence, the focus of AI has been transferred from model-central research to data-central research...

Therefore, the aim of this Special Issue is to present advanced research on both theories and applications of artificial intelligence in dealing with data issues, especially regarding the design of efficient and effective data analysis models, algorithms and systems to improve reasoning and treatment.

We are soliciting contributions (research and review articles) covering a broad range of topics regarding the symmetry and asymmetry in data Science and symmetry in AI, including, though not limited to, the following:

(1) Data processing in artificial intelligence;

(2) Feature engineering in artificial intelligence;

(3) Applications of artificial intelligence for data issues;

(4) Improved artificial intelligence algorithms for data issues;

(5) A development review of the data science in AI.

Dr. Diyin Tang
Guest Editor

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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