Application of Artificial Intelligence and Deep Learning in Carbon Capture and Utilisation and Storage

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Message from the Guest Editor

Dear Colleagues,

Achieving the world's current energy utilization is intermingled with the development of carbon capture technologies. These technologies are usually costly and have a high economic penalty. The predictive model development for energy transition and carbon capture technologies is currently challenging and limited by computer power and is therefore one of the most crucial research topics for future designers and engineers.

This Special Issue of *Energies* mainly focuses on the application of deep learning and artificial intelligence models in the control and prediction of the behavior of the industrial units mainly working in carbon capture technologies. Original research and review papers which aim to overcome the limitations of these technologies and computational power in the development and deployment of carbon from capture to storage are welcome. We hope to help facilitate the clean energy transition as well as the application of benign energy technologies in the future.

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Special Issue

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Message from the Editor-in-Chief

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