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# **Data Analytics in Energy Systems**

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### Message from the Guest Editors

Dear Colleagues,

The big data in energy systems have brought several opportunities and challenges simultaneously for researchers. The main challenges in big data analytics and mining include data inconsistency and incompleteness, scalability, timeliness, data reduction and integration, and data security. To deal with these challenges, the big data should be transformed into a reasonable structure using data mining algorithms. The characteristics of big data should be considered in the transformation algorithms that includes "volume", "velocity", "variety" and "value".

This Special Issue is intended to present original research papers with high quality and novelty on "Data Analytics in Energy Systems".

Topics of interest include, but are not limited to:

- Data classification
- Data Clustering
- Distributed data mining
- Data cleaning
- Data reduction
- Data integration
- Data transformation
- Data forecasting
- Data management
- Data visualization
- Data statistical analysis
- Fault detection and diagnosis for energy systems.

Prof. Ali Elkamel

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### Message from the Editor-in-Chief

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