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Recent Advances in Data-Driven Virtual Sensing Technology for Smart Industries

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Message from the Guest Editors

Dear Colleagues,

With the rising trends in digitalization, enormous amounts of data are being generated in modern industries. The availability and increasing quantity of data have attracted great attention of researchers in the industrial artificial intelligence. Data-driven virtual sensing or soft sensing technologies aim to use artificial intelligence methodologies in predicting KPIs or quality variables that cannot be automatically measured in general, or can only be measured sporadically with high delays or at a high cost. The topics of interest for this Special Issue include, but are not limited to:

- Data-driven virtual sensors based on big data analytics;
- Data-driven virtual sensors based on statistical machine learning;
- Data-driven virtual sensors based on deep learning;
- Data-driven virtual sensors based on transfer learning;
- Data knowledge integration-driven virtual sensors;
- New theories and architectures for data-driven virtual sensors.

Please contact the Guest Editors or the Assistant Editor at (ava.jiang@mdpi.com) for any queries. Please visit the website for more information.

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Special Issue



sensors



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Message from the Editor-in-Chief

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