## Special Issue

# Al in Complex Engineering Systems

## Message from the Guest Editor

The increasing demand for the accurate prediction of performance and maintenance metrics in complex engineering systems has led to a rapid expansion in the application of artificial intelligence (Al). Al methodologies are now routinely employed across a wide range of tasks, including the regression modeling of critical values, the detection of events and anomalies in both numerical and image-based datasets, and the optimization of operational processes. In many cases, these Al-driven approaches have demonstrated superior performance and adaptability when compared to traditional analytical or rule-based methods. By presenting innovative research across diverse engineering domains, this Special Issue of *Computers* aims to highlight the transformative potential of AI in the design, monitoring, and optimization of modern engineering systems.

## **Guest Editor**

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## Deadline for manuscript submissions

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## Message from the Editor-in-Chief

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## Editor-in-Chief

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