Special Issue

Quality Prediction and Control Technology Design for Intelligent Manufacturing

Message from the Guest Editors

In this Special Issue, we welcome articles that focus on new technologies of production prediction and control and new methods related to intelligent manufacturing. Topics cover product quality prediction, equipment health prediction, quality problem tracing, equipment failure tracing, production process parameter control, production control scheduling, digital twin technology for production processes, etc. Dynamic methods of improving quality and increasing production energy efficiency are of particular interest. These topics have important research significance for enterprises to improve production quality and efficiency, save energy, and reduce costs. We invite you to contribute research work that studies prediction and control methods of intelligent manufacturing. To find more information, please click this link.

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Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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