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Complex Process Modeling and Control Based on AI Technology

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This Special Issue provides an overview of the progress in data-driven intelligent modeling and control. It emphasizes the cutting-edge methodologies and technological applications that have emerged in this field in recent years. These approaches harness data to perform modeling and control tasks, significantly enhancing the adaptability, reliability, and efficiency of complex systems. Studies show that amid the rapid development of Industry 4.0, data-driven intelligent modeling and control have become essential in ensuring product quality, promoting sustainable development, and enhancing production efficiency.

