

Special Issue

Intelligent Technologies and Processes for Advanced Nuclear Power and Energy Engineering

Message from the Guest Editors

Nuclear power equipment is a national name card which plays an important role in the nuclear power supply of the new generation of onshore nuclear power plants, submarine aircraft carriers, marine development, deep space exploration and other major national projects. From the designation to decommissioning of nuclear power equipment, lifecycle digital and intelligent technologies implement a visual and flexible analysis mode and integrate information on the whole process to supply systematic engineering service in design, manufacturing, operation and management. Because of the numerous subsystems, complex working conditions and lengthy service period of advanced nuclear power equipment, how to realize its lifecycle digital and intelligent technologies is a daunting task. This has recently motivated researchers to explore new lifecycle digital and intelligent technologies of advanced nuclear power equipment.

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