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Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 779
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Soggetti	Security systems Nuclear engineering Data protection Industrial engineering Production engineering Measurement Measuring instruments Security Science and Technology Nuclear Energy Data and Information Security Industrial and Production Engineering Measurement Science and Instrumentation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Test and research on electromagnetic compatibility of nuclear power plant -- Development and application of digital control system for nuclear power -- Validation & Verification of control system software for digital Instrumentation -- Development and application of new products and technologies for nuclear safety instrumentation -- Operation and management of instrumentation and control system in nuclear power plant -- Demonstration of instrumentation and control system in nuclear power plant -- Other relevant content.

## Sommario/riassunto

This book is a compilation of selected papers from the fifth International Symposium on Software Reliability, Industrial Safety, Cyber Security and Physical Protection of Nuclear Power Plant, held in November 2020 in Beijing, China. The purpose of this symposium is to discuss Inspection, test, certification and research for the software and hardware of Instrument and Control (I&C) systems in nuclear power plants (NPP), such as sensors, actuators and control system. It aims to provide a platform of technical exchange and experience sharing for those broad masses of experts and scholars and nuclear power practitioners, and for the combination of production, teaching and research in universities and enterprises to promote the safe development of nuclear power plant. Readers will find a wealth of valuable insights into achieving safer and more efficient instrumentation and control systems.

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