1. Record Nr. UNINA9910350274103321

Titolo	Nuclear Power Plants: Innovative Technologies for Instrumentation and Control Systems : The Third International Symposium on Software Reliability, Industrial Safety, Cyber Security and Physical Protection of Nuclear Power Plant (ISNPP) / / edited by Yang Xu, Hong Xia, Feng Gao, Weihua Chen, Zheming Liu, Pengfei Gu
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-3113-8
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XII, 290 p. 140 illus., 86 illus. in color.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1100 ; ; 507
Disciplina	333.7924
Soggetti	Nuclear energy Physical measurements Measurement Quality control Reliability Industrial safety Computer security Radiation protection Radiation—Safety measures Nuclear Energy Measurement Science and Instrumentation Quality Control, Reliability, Safety and Risk Systems and Data Security Effects of Radiation/Radiation Protection
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 3rd International Symposium on Software Reliability, Industrial Safety, Cyber Security and Physical Protection of Nuclear Power Plants, held in Harbin, China on 15th–17th August 2018. The symposium discussed the status quo, technical advances and development direction of digital instrument control technology, software reliability, information security and physical protection in the process of nuclear power development. Offering technical insights and know from leading experts, this book is a valuable resource for both practitioners and academics working in the field of nuclear instrumentation, control systems and other safety-critical systems, as well as nuclear power plant managers, public officials, and regulatory authorities.