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#### Sommario/riassunto

This book is a compilation of selected papers from the Seventh Symposium on Digital Instrumentation and Control Technology for Nuclear Power Plant, held online on January 11, 2023. The purpose of this symposium is to discuss inspection, test, certification and research for the software and hardware of Instrumentation and Control (I&C) systems in nuclear power plants (NPP), such as sensors, actuators and control system. It provides a platform of technical exchange and experience sharing for those broad masses of experts and scholars and nuclear power practitioners. At the same time, it also provides a platform for the combination of production, teaching and research in universities and enterprises to promote the safe development of nuclear power plant. Readers will encounter new ideas for realizing a more efficient and safer instrumentation and control system.