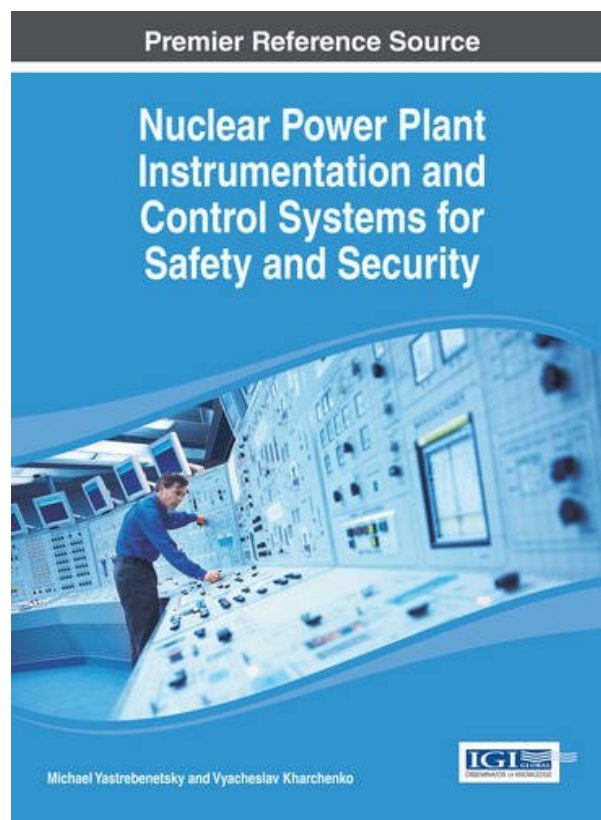


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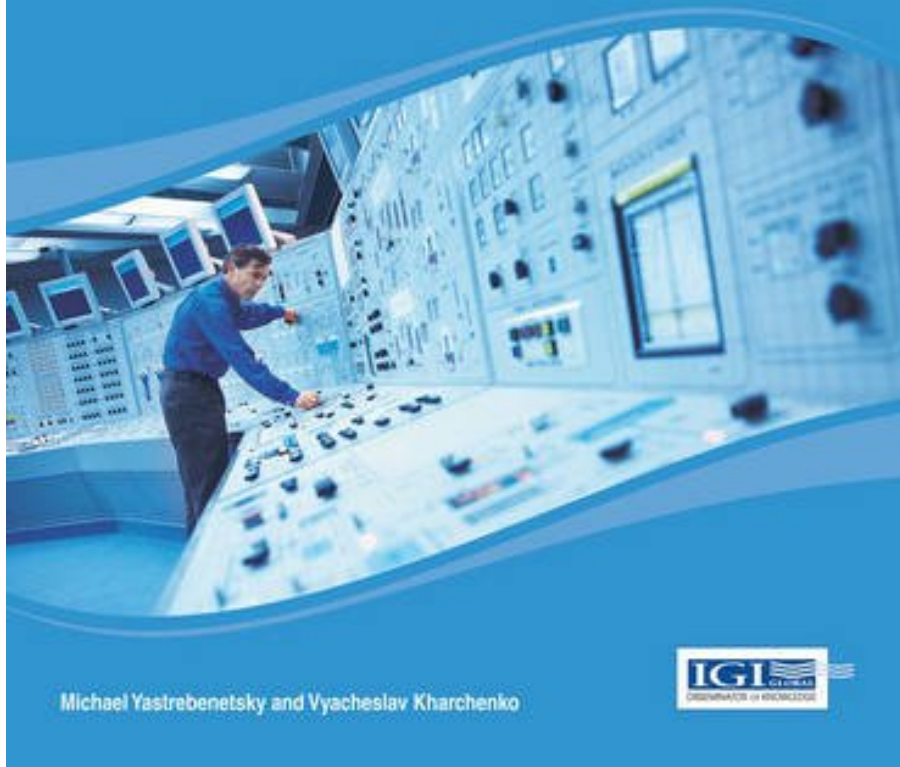


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Michael Yastrebenetsky and Vyacheslav Kharchenko



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Yastrebenetsky and Kharchenko present this volume on nuclear power plant safety, discussing updates in technology and particularly computer control systems. The first chapter establishes definitions and gives general information on instrumentation and control (I&C) systems. International safety standards and quantitative and qualitative properties of safety important I&C systems are discussed, followed by field programmable gate array technology, software of computerized systems, and diversity strategies for ensuring adequate redundancy. --Eithne O'Leyne, Editor, ProtoView

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Michael Yastrebenetsky, PhD, Doctor of technical sciences, Professor, Honor Scientist of Ukraine. Until 1992 Head of Department Reliability of Automated Control Systems of the Central Scientific Research Institute of Complex Automation. Since 1993 Head of the Department NPP Control and Information Systems Safety Analysis of State Scientific and Technical Centre of Nuclear and Radiation Safety Professor of the Department Systems Analysis and Control of the Kharkov National Technical University. Author of 12 monographs, 290 articles, 35 international and national standards and regulations. Organizer and Chairman of 1-5 International Conferences NPP I&C systems: safety aspects.

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