1. Record Nr. UNISA996280177503316

Titolo	IEEE standard criteria for programmable digital devices in safety systems of nuclear power generating stations
Pubbl/distr/stampa	New York : , : IEEE, , 2016
ISBN	1-5044-0859-4
Descrizione fisica	1 online resource (80 pages)
Disciplina	621.4835
Soggetti	Nuclear power plants - Safety measures - Standards Nuclear power plants - Electronic equipment - Standards Systems engineering - Standards Information technology - Standards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Additional specific requirements to supplement the criteria and requirements of IEEE Std 603(TM) are specified for programmable digital devices. Within the context of this standard, the term programmable digital device is any device that relies on software instructions or programmable logic to accomplish a function. Examples include a computer, a programmable hardware device, or a device with firmware. Systems using these devices will also be referred to as digital safety systems in this standard. The criteria contained herein, in conjunction with criteria in IEEE Std 603, establish minimum functional and design requirements for programmable digital devices used as components of a safety system. Scope: This standard serves to amplify criteria in IEEE Std 603(TM)-2009, to address the use of programmable digital devices as part of safety systems in nuclear power generating stations. The criteria contained herein, in conjunction with criteria in IEEE Std 603-2009, establish minimum functional and design requirements for programmable digital devices used as components of a safety system.

2. Record Nr. UNINA9910808680103321

Titolo	Construction reliability : safety, variability and sustainability / / edited by Julien Baroth, Franck Schoefs, Denys Breysse
Pubbl/distr/stampa	London, : ISTE Hoboken, N.J., : John Wiley, 2011
ISBN	9781118601099 1118601092 9781118601129 1118601122 9781118600948 1118600940 9781299187566 1299187560
Edizione	[1st ed.]
Descrizione fisica	1 online resource (365 p.)
Collana	ISTE
Altri autori (Persone)	BarothJulien SchoefsFranck BreysseD
Disciplina	624
Soggetti	Buildings - Reliability Public works - Reliability Structural failures - Prevention
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Qualitative methods for evaluating the reliability of civil engineering structures -- pt. 2. Heterogeneity and variability of materials : consequences for safety and reliability -- pt. 3. Metamodels for structural reliability -- pt. 4. Methods for structural reliability over time -- pt. 5. Reliability-based maintenance optimization.
Sommario/riassunto	This book provides answers to the following problems: how to identify the most probable critical failures; how to describe and use data-concerning materials that are either heterogeneous, time-variant, or space-variant; how to quantify the reliability and lifetime of a system; how to use feedback information to actualize reliability results; and

how to optimize an inspection politic or a maintenance strategy. Numerous authors from public research centers and firms propose a synthesis of methods, both new and well-known, and offer numerous examples concerning dams, geotechnical study, and struc