1. Record Nr. UNINA9910781406003321

Autore	Droste Carl S
Titolo	A case study on the F-16 fly-by-wire flight control system [[electronic resource] /] / by Carl S. Droste and James E. Walker
Pubbl/distr/stampa	[New York], : American Institute of Aeronautics and Astronautics, [1985?]
ISBN	1-60086-787-1 1-60086-786-3
Descrizione fisica	1 online resource (120 p.)
Collana	AIAA professional study series
Altri autori (Persone)	WalkerJames E
Disciplina	629.135
Soggetti	Flight control F-16 (Jet fighter plane) Airplanes - Control systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	""Cover""; ""Title""; ""Table Of Contents""; ""List Of Figures""; ""List Of Table""; ""1. Introduction""; ""2. The F - 16 Design Philosophy""; ""3. Implementation Of The Flight Control System Design""; ""3.1 The Fly-By-Wire Decision""; ""3.2 The Electrical-To-Mechanical Interface""; ""3.3 Redundancy""; ""3.4 Lightning Protection""; ""4. Unique Flight Control System Functional Features""; ""4.1 Aoa/g Limiting""; ""4.2 High-Aoa Roll Coordination""; ""4.3 Roll Rate Limiter""; ""4.4 Rudder Fadeout""; ""4.5 Yaw Rate Limiter""; ""4.6 Manual Pitch Override""; ""5. Conclusions""

2. Record Nr. UNINA9910299617803321

Autore	Kovacs Zoltan
Titolo	Probabilistic Safety Assessment of WWER440 Reactors : Prediction, Quantification and Management of the Risk / / by Zoltan Kovacs
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-08548-4
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (323 p.)
Disciplina	333.7924 519.2 621.042 658.56
Soggetti	Nuclear energy Quality control Reliability Industrial safety Probabilities Nuclear Energy Quality Control, Reliability, Safety and Risk Probability Theory and Stochastic Processes
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.
Nota di contenuto	Introduction -- The nuclear power plant with WWER440 reactors -- Level 1 full power PSA -- Level 1 low power and shutdown PSA -- Level 2 PSA -- PSA applications -- Conclusions.
Sommario/riassunto	The aim of this book is to summarize probabilistic safety assessment (PSA) of nuclear power plants with WWER440 reactors and demonstrate that the plants are safe enough for producing energy even in light of the Fukushima accident. The book examines level 1 and 2 full power, low power and shutdown PSA, and summarizes the author’s experience gained during the last 35 years in this area. It provides useful examples taken from PSA training courses the author has lectured and organized by the International Atomic Energy Agency. Such training courses were

organised in Argonne National Laboratory (Chicago, IL, USA), Abdus Salaam International Centre for Theoretical Physics (Trieste, Italy), Malaysia, Vietnam and Jordan to support experts from developing countries. The role of PSA for the plants is an estimation of the risks in absolute terms and in comparison with other risks of the technical and the natural world. Plant-specific PSAs are being prepared for the plants and being applied for detection of weaknesses, design improvement and backfitting, incident analysis, accident management, emergency preparedness, prioritization of research and development and to support the regulatory activities. There are three levels of PSA, being performed for full power and low power operation and shutdown operating modes of the plants: level 1, 2 and 3 PSA. The nuclear regulatory authorities do not require the level 3 PSA for the plants in the member countries of the European Union. This means that only a limited number of NPPs in Europe have the level 3 PSA available. However, in the light of the Fukushima accident the performance of such analyses is strongly recommended in the future. This book is intended for professionals working in the nuclear industry, researchers and students interested in safety of operational plants.