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Titolo	Achieving interoperability in critical IT and communication systems / / Robert I. Desourdis, Jr. [and others], editors
Pubbl/distr/stampa	Boston : , : Artech House, , 2009 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2009]
ISBN	1-59693-390-9
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Collana	Mobile communications series
Altri autori (Persone)	DesourdisRobert I
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Soggetti	Emergency management - Communication systems - Computer networks Internetworking (Telecommunication)
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	Achieving Interoperability in Critical IT and Communication Systems; Contents; Foreword; Foreword; Preface; Acknowledgments; Chapter 1 Interoperability Defined; 1.1 Real Interoperability; 1.2 Definition and Vision; 1.3 Planning Elements of Interoperable IT and Communication Systems; 1.4 Holistic Interoperability; References; Chapter 2 Pearl Harbor, 9/11, and Katrina: Same Lessons Not Yet Learned; 2.1 Now and Then: Enduring Failure; 2.1.1 Totsugeki Raigeki (TO-RA); 2.1.2 The Environment; 2.2 Failed Interoperability; 2.2.1 Failure of Organization; 2.2.2 Failure of Assumption 2.2.3 Failure of Omission2.2.4 Failure of Verification; 2.2.5 Failure of Supervision; 2.2.6 Failure of Alertness; 2.2.7 Failure of Complacency; 2.2.8 Failure of Intelligence; 2.2.9 Failure of Attitude; 2.2.10 Failure of Imagination; 2.2.11 Failure of Communications; 2.2.12 Failure of Paraphrase; 2.2.13 Failure of Adaptability; 2.2.14 Failure of Disclosure; 2.2.15 Failure of Insight; 2.2.16 Failure of Dissemination; 2.2.17 Failure of Inspection; 2.2.18 Failure of Preparedness; 2.2.19 Failure of Consistency; 2.2.20 Failure of Jealousy; 2.2.21 Failure of Relationships; 2.2.22 Failure of Priority 2.2.23 Failure of Reporting2.2.24 Failure of Improvement; 2.2.25 Failure of Delegation; 2.3 Pearl Harbor Interoperability Analysis; 2.4 Lessons Taught-Not Learned; 2.4.1 Deficiency Mapping: From Pearl

Harbor to 9/11 and Katrina; 2.4.2 Pearl Harbor Failures Revisited for 9/11 and Katrina; 2.5 Leadership Failures and the Need for Holistic Interoperability; References; Selected Bibliography; Chapter 3 World Interoperability Failure Model; 3.1 The Cause; 3.2 Responder-Receivers Organizations in the Failure Model; 3.2.1 Public Safety, Emergency Response, and Other Stakeholder Disciplines
3.2.2 IT and Communication Systems3.3 Governance Layers in the Failure Model; 3.4 Other Deterrents to Interoperability; 3.4.1 Bureaucracies in the Failure Model; 3.4.2 Consultants in the Failure Model; 3.4.3 Vendors in the Failure Model; 3.5 The Interoperability Assessment Checklist; 3.6 Summary; References; Chapter 4 Best Practices for Achieving Interoperability; 4.1 Overview of Best Practices; 4.2 Program and Project Management; 4.2.1 Definitions; 4.2.2 Overview of the Project Management Institute Approach; 4.2.3 Tailoring Guidance
4.2.4 Application of Project Management Best Practices to the Interoperability Failure Model4.3 Organizational Development; 4.3.1 Overview; 4.3.2 Organizational Structure; 4.3.3 Organizational Change Management and Strategic Communications; 4.4 Strategic Planning; 4.4.1 Overview; 4.4.2 What is Strategic Planning?; 4.4.3 Methodology; 4.5 Enterprise Architecture; 4.5.1 Overview; 4.5.2 Considerations in the Use of Enterprise Architecture; 4.5.3 Approach to Enterprise Architecture; 4.5.4 Determining Purpose and Scope of the Enterprise Architecture; 4.5.5 Architectural Views
4.5.6 Interoperability Enterprise Architecture Views and the World Interoperability Failure Model

Sommario/riassunto

Addressing several misconceptions and misunderstandings about communications interoperability that continue to limit capabilities in the field - the same systemic problems that prevented effective information sharing at Pearl Harbor and revealed themselves again on 9/11 -- this unique book provides a detailed examination of the subject. It focuses on the use of voice, data, and video systems for public safety and emergency response. This practical resource makes in-depth recommendations spanning technical, planning, and procedural approaches to provide efficient public safety response performance. You find coverage the many approaches used to achieve interoperability, including a synopsis of the enabling technologies and systems intended to provide radio interoperability. Featuring specific examples nationwide, the book takes you from strategy to proper implementation, using enterprise architecture, systems engineering, and systems integration planning.

2. Record Nr. UNINA9910437820703321

Titolo	Design and Analysis of Materials and Engineering Structures / / edited by Andreas Öchsner, Lucas F. M. da Silva, Holm Altenbach
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Descrizione fisica	1 online resource (178 p.)
Collana	Advanced Structured Materials, , 1869-8441 ; ; 32
Altri autori (Persone)	OchsnerAndreas SilvaLucas F. M. da AltenbachHolm
Disciplina	624.1/8
Soggetti	Materials - Analysis Mechanics, Applied Solids Building materials Characterization and Analytical Technique Solid Mechanics Building Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Dynamic Analysis of Pre-Cast RC Telecommunication Towers Using a Simplified Model -- Materials' Damages Observation for Educational Purposes at BSc Level -- Robust to Illumination Variations Preprocessing for Image Sequence Visualization -- A Parametric Finite-Volume Formulation for Linear Viscoelasticity -- Efficient crack propagation simulation using the superimposed finite element method and cohesive zone model -- New procedure for determination of main technological parameters of rolling mill -- Design of driveline Test Bench for NVH Improvement of Automotive Chassis Components System -- Methodology of Quantitative Evaluation of Structure in Cast Magnesium Alloys -- 3D Mesh Extraction for Transmission Line Matrix (TLM) Modelling -- Different Analysis Strategies for RCC Dam Design -- Forward Modelling of Seabed Logging by Finite Integration (FI) and

	Finite Element (FE) Methods.
Sommario/riassunto	The idea of this monograph is to present the latest results related to design and analysis of materials and engineering structures. The contributions cover the field of mechanical and civil engineering, ranging from automotive to dam design, transmission towers and up to machine design and exmaples taken from oil industry. Well known experts present their research on damage and fracture of material and structures, materials modelling and evaluation up to image processing and visualization for advanced analyses and evaluation.