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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-Receiver Organizations in the Failure Model; 3.2.1 Public Safety, Emergency Response, and Other Stakeholder Disciplines 3.2.2 IT and Communication Systems 3.3 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 Model 4.3 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.	UNINA9911147288903321
Titolo	The decade of discovery in astronomy and astrophysics // Astronomy and Astrophysics Survey Committee, Board on Physics and Astronomy, Commission on Physical Sciences, Mathematics, and Applications, National Research Council
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Nota di contenuto	The Decade of Discovery in Astronomy and Astrophysics -- Copyright -- Preface -- Contents -- Executive Summary -- THE DECADE OF DISCOVERY -- RESTORING THE INFRASTRUCTURE -- ACHIEVING A BALANCED SPACE PROGRAM -- THE PRIORITIZED INSTRUMENTAL PROGRAM -- Large Programs -- Small and Moderate Programs -- Space-based Programs -- Ground-based Programs -- THEORY AND COMPUTERS -- LUNAR ASTRONOMY -- ASTRONOMY AND SOCIETY -- 1 Recommendations -- INTRODUCTION -- Our Place in the Universe -- Discoveries of the 1980s -- The 1990s: The Decade of Discovery -- PURPOSE AND SCOPE OF THIS STUDY -- Charge to the Committee -- Contents of This Report -- RECOMMENDATIONS FOR STRENGTHENING GROUND-BASED INFRASTRUCTURE -- ACHIEVING A BALANCED SPACE PROGRAM -- Overall Strategy -- Significance of Large Space Observatories -- RECOMMENDED NEW EQUIPMENT INITIATIVES --

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Sommario/riassunto

Astronomers and astrophysicists are making revolutionary advances in our understanding of planets, stars, galaxies, and even the structure of the universe itself. The Decade of Discovery presents a survey of this exciting field of science and offers a prioritized agenda for space- and ground-based research into the twenty-first century. The book presents specific recommendations, programs, and expenditure levels to meet the needs of the astronomy and astrophysics communities. Accessible to the interested lay reader, the book explores: The technological investments needed for instruments that will be built in the next century. The importance of the computer revolution to all aspects of astronomical research. The potential usefulness of the moon as an observatory site. Policy issues relevant to the funding of astronomy and the execution of astronomical projects. The Decade of Discovery will prove valuable to science policymakers, research administrators, scientists, and students in the physical sciences, and interested lay readers. Alternate Selection, Astronomy Book Club
