1. Record Nr. UNINA9910458635103321

Titolo	Application of GIS technologies in port facilities and operations management [[electronic resource] /] / sponsored by Ports and Harbors Committee of The Coasts, Oceans, Ports, and Rivers Institute (COPRI) of the American Society of Civil Engineers ; edited by Neal T. Wright, Jaewan Yoon
Pubbl/distr/stampa	Reston, VA, : American Society of Civil Engineers, c2007
ISBN	0-7844-7163-0
Descrizione fisica	1 online resource (84 p.)
Altri autori (Persone)	WrightNeal T YoonJaewan
Disciplina	387.10285
Soggetti	Harbors Geographic information systems Facility management Electronic books.
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 (p. 60-63) and index.
Nota di contenuto	""TABLE OF CONTENTS""; ""I. INTRODUCTION""; ""IA. Concept of a Port GIS""; ""I.A.I. Basic Concepts""; ""I.A.2. Data Models""; ""I.A.3. From Database to GIS to Applications""; ""I.A.4. General Hardware and Software Requirements for GIS Users""; ""II. DATA""; ""II.A. Data in Facility Management""; ""II.A.1.1. Data Assessment and Collection""; ""II. A.1.2. Types of Data Used in GIS""; ""II.A.1.3. Data QA/QC""; ""II.A.1.4. Data Collection""; ""II.B. Concept of a GIS Framework in Facility Management""; ""III. IMPLEMENTATION OF PORT FACILITY GIS SYSTEMS""; ""III.A. Ports' Implementation of GIS"" ""III.A.1. Port of Los Angeles (POLA), California""""""III.A.2. Jacksonville Port Authority (JAXPORT), Florida""; ""III.A.3. Port of Virginia, Virginia""; ""III.B. Benefits of a GIS Implementation""; ""III.C. Factors for a Successful Implementation""; ""IV. CURRENT GIS APPLICATIONS IN OTHER FACILITY MANAGEMENT AND OPERATIONS MANAGEMENT SYSTEMS""; ""IV.A. Integrated Facility Maintenance Operations Air Combat Command (ACC), USAF""; ""IV.B. Asset Management

Applications""; ""IV.C. Hydrographic Surveying and Dredging Applications""; ""IV.C.1. Hydrographic Surveying""
""IV.C.2. Dredging Applications""""IV.C.3. Current Dredging Application for the Port of Virginia""; ""IV.D. Environmental Management Applications""; ""IV.D.1. Environmental Constraints and Opportunities Analysis""; ""IV.D.2. Water Quality Compliance""; ""IV.D.3. Air Quality Compliance""; ""IV.D.4. RCRA and CERCLA (Solid and Hazardous Waste) Compliance""; ""IV.D.5. Lead and Asbestos Compliance""; ""IV.E. Engineering Project Applications""; ""V. GIS IN SECURITY OPERATIONS, CRITICAL INFRASTRUCTURE VULNERABILITY ASSESSMENT AND PROTECTION""; ""VI. CONCLUSIONS AND RECOMMENDATIONS""; ""REFERENCES""
""APPENDIX: GLOSSARY""""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""I""; ""K""; ""L""; ""M""; ""N""; ""O""; ""P""; ""R""; ""S""; ""T""; ""U""; ""V""; ""INDEX""; ""A""; ""B""; ""C""; ""D""; ""E""; ""G""; ""H""; ""I""; ""J""; ""L""; ""M""; ""N""; ""O""; ""P""; ""R""; ""S""; ""T""; ""U""; ""V""; ""W""