1. Record Nr. UNINA9910780467703321 Autore **Blobel Bernd Titolo** Analysis, design, and implementation of secure and interoperable distributed health information systems [[electronic resource] /] / Bernd Blobel Amsterdam; ; Washington, DC, : IOS Press, c2002 Pubbl/distr/stampa **ISBN** 1-280-50563-X 9786610505630 600-00-0342-0 1-60129-403-4 Descrizione fisica 1 online resource (353 p.) Collana Studies in health technology and informatics;; v. 89 Disciplina 651.5/04261 Soggetti Medical records - Data processing Medical records - Access control Computer security Medical informatics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. COVER: TITLE PAGE: TABLE OF CONTENTS: 1 INTRODUCTION: 2 Nota di contenuto PARADIGM CHANGES IN HEALTH INFORMATION SYSTEMS; 3 COMPARING IMPLEMENTED MIDDLEWARE CONCEPTS FOR ADVANCED HEALTHCARE SYSTEM ARCHITECTURES; 4 A GENERIC COMPONENT MODEL TO EVALUATE ARCHITECTURAL APPROACHES; 5 THE ELECTRONIC HEALTHCARE RECORD IN THE ARCHITECTURAL CONTEXT: 6 A SYSTEMATIC APPROACH FOR SECURE HEALTH INFORMATION SYSTEMS: 7 SOME LEGAL AND PRACTICAL ASPECTS OF ASSESSMENT AND USE OF THE RESULTS ACHIEVED IN DISTRIBUTED HEALTH INFORMATION SYSTEMS; 8 SECURITY MODELS FOR OPEN ARCHITECTURE **CONCEPTS** 9 SECURITY INFRASTRUCTURE PRINCIPLES AND SOLUTIONS 10 SECURITY ENHANCED EDI COMMUNICATION; 11 SECURE CHIPCARD-BASED HEALTH INFORMATION SYSTEMS - THE DIABCARD EXAMPLE: 12 A

FUTURE-PROOF CONCEPT FOR DISTRIBUTED INTELLIGENT HEALTH INFORMATION SYSTEMS ON THE INTERNET; 13 EUROPEAN PROJECTS

CONTRIBUTING TO THE PAPER; 14 CONCLUSIONS; 15 DEFINITION AND INTERPRETATION OF BASIC TERMS USED; 16 REFERENCES; 17 ANNEX A: NORMATIVE REFERENCES; 18 ANNEX B: LIST OF ABBREVIATIONS; 19 ANNEX C: TRUSTHEALTH-2 PILOT - REQUIREMENTS AND SOLUTIONS FOR THE SECURE ONCONET MAGDEBURG/SAXONY-ANHALT 20 ANNEX D: IMPLEMENTATION OF AN DIABCARD SECURITY ENVIRONMENT21 ANNEX E: EUROPEAN LEGAL FRAMEWORK FOR HEALTHCARE SECURITY; INDEX

Sommario/riassunto

An introduction to the methodology and practice of analysis, design and implementation of distributed health information systems. It includes a special section dedicated to security and interoperability of such systems as well as to advanced electronic health record approaches.