1. Record Nr.   UNISA996205181803316

   Titolo   Foundations of Health Information Engineering and Systems [[electronic
                       resource]] : Third International Symposium, FHIES 2013, Macau, China,
                       August 21-23, 2013. Revised Selected Papers / / edited by Jeremy
                       Gibbons, Wendy MacCaull

   Pubbl/distr/stampa Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer,
                       , 2014

   ISBN   3-642-53956-4

   Edizione   [1st ed. 2014.]

   Descrizione fisica 1 online resource (X, 291 p. 71 illus.)

   Collana   Programming and Software Engineering ; ; 8315

   Classificazione   SS 4800

   Disciplina   610.285

   Soggetti   Software engineering
                       Application software
                       Database management
                       Computer simulation
                       Health informatics
                       Computer science
                       Software Engineering
                       Information Systems Applications (incl. Internet)
                       Database Management
                       Simulation and Modeling
                       Health Informatics
                       Computer Science, general
                       Kongress2013.Macau

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Nota di bibliografia   Includes bibliographical references and author index.

   Nota di contenuto   Invited Papers -- Intelligent Tools for Reducing Medication Dispensing
                       and Administration Error -- Panel Position Statements -- Pathways --
                       Modelling Care Pathways in a Connected Health Setting -- A Resource
                       Flow Approach to Modelling Care Pathways -- ICT-powered Health Care
                       Processes (Position Paper) -- Generation and Certification -- Approach
                       and Method for Generating Realistic Synthetic Electronic Healthcare
                       Records for Secondary Use -- Insulin Pump Software Certification --

Interoperability -- An Ontology for Regulating eHealth Interoperability in Developing African Countries -- Use of XML Schema Definition for the Development of Semantically Interoperable Healthcare Applications -- Patient Safety -- A Bayesian Patient-Based Model for Detecting Deterioration in Vital Signs Using Manual Observations -- Performance of Early Warning Scoring Systems to Detect Patient Deterioration in the Emergency Department -- Early Fault Detection Using Design Models for Collision Prevention in Medical Equipment -- Device Safety -- OR. NET: Safe Interconnection of Medical Devices (Position Paper) -- Formal Methods -- A Modal Specification Approach for On-Demand Medical Systems -- Towards Formal Safety Analysis in Feature-Oriented Product Line Development -- HIV/AIDS and Privacy -- An Investigation of Classification Algorithms for Predicting HIV Drug Resistance without Genotype Resistance Testing -- Characterisation of Knowledge Incorporation into Solution Models for the Meal Planning Problem -- A Quantitative Analysis of the Performance and Scalability of De-identification Tools for Medical Data.

| Sommario/riassunto | This book constitutes the thoroughly refereed post-conference proceedings of the Third International Symposium on Foundations of Health Information Engineering and Systems, FHIES 2013, held in Macau, China, in August 2013. The 19 revised full papers presented together with 1 invited talk in this volume were carefully reviewed and selected from 22 submissions. The papers are organized in following subjects: panel position statements, pathways, generation and certification, interoperability, patient safety, device safety, formal methods, and HIV/AIDS and privacy. |