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| Edizione | [Third edition.] |
| Descrizione fisica | 1 online resource (126 pages) |
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| Soggetti | Picture archiving and communication systems in medicine |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Medical imaging, PACS, and imaging informatics : retrospective -- Digital medical imaging -- PACS fundamentals -- Industrial standards : HEALTH LEVEL 7 (HL7), Digital Imaging and Communications In Medicine (DICOM), and Integrating the Healthcare Enterprise (IHE) -- DICOM-Compliant Image Acquisition Gateway and integration of HIS, RIS, PACS, and ePR -- Web-based data management and image distribution -- Medical image sharing for collaborative healthcare based on IHE XDS-I Profile -- DATA GRID for PACS and medical imaging informatics -- DATA GRID for clinical applications -- Display workstation -- Multimedia Electronic Patient Record (EPR) System in Radiation Therapy (RT) -- PACS-based imaging informatics simulators -- Molecular Imaging Data Grid (MIDG) -- A DICOM-based 2nd Generation Molecular Imaging Data Grid (MIDG) with the IHE XDS-i Integration Profile -- PACS-based archive server and cloud computing -- DICOM-based medical imaging informatics and CAD -- DICOM-based CAD : acute intracranial hemorrhage & multiple sclerosis -- PACS-based CAD : digital hand atlas and bone age assessment of children -- Intelligent ePR System for Evidence-based Research in Radiotherapy -- Multimedia Electronic Patient Record System for Minimally Invasive Image-Assisted Spinal Surgery -- From minimally invasive spinal surgery to integrated image-assisted surgery in translational medicine -- Big data in PACS-based multimedia medical |

imaging informatics.

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| Sommario/riassunto | "Thoroughly revised to present the very latest in PACS-based multimedia in medical imaging informatics--from the electronic patient record to the full range of topics in digital medical imaging--this new edition by the founder of PACS and multimedia image informatics features even more clinically applicable material than ever before. It uses the framework of PACS-based image informatics, not physics or engineering principles, to explain PACS-based multimedia informatics and its application in clinical settings and labs. New topics include Data Grid and Cloud Computing, IHE XDS-I Workflow Profile (Integrating the Healthcare Enterprise Cross-enterprise Document Sharing for Imaging), extending XDS to share images, and diagnostic reports and related information across a group of enterprise health care sites"--Provided by publisher. |