

1. Record Nr.	UNISA996395465703316
Autore	Mather Cotton <1663-1728.>
Titolo	The life and death of the Reverend Mr. John Eliot, who was the first preacher of the Gospel to the Indians in America [[electronic resource]] : with an account of the wonderful success which the Gospel has had amongst the heathen in that part of the world, and of the many strange customs of the pagan Indians in New-England / / written by Cotton Mather
Pubbl/distr/stampa	London, : Printed for John Dunton ..., MDCXCIV [1694]
Edizione	[The third edition carefully corrected.]
Descrizione fisica	[8], 168 p
Soggetti	Massachusetts Indians - Missions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in the Harvard University Library.
Sommario/riassunto	eebo-0062

2. Record Nr.	UNINA9910299671403321
Titolo	Spinal Imaging and Image Analysis / / edited by Shuo Li, Jianhua Yao
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-12508-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (507 p.)
Collana	Lecture Notes in Computational Vision and Biomechanics, , 2212-9391 ; ; 18
Disciplina	616.730754
Soggetti	Biomedical engineering Optical data processing Radiology Biomedical Engineering and Bioengineering Image Processing and Computer Vision Imaging / Radiology
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 at the end of each chapters and index.
Nota di contenuto	Preface -- Clinical Imaging and Applications -- Imaging of the Spine: A Medical and Physical Perspective, by Joseph Burns -- Arthritis of the Spine, by Runsheng Wang, Michael Ward -- Osteoporosis, by Thomas Baum et al. -- Image Processing -- Computer aided detection of bone metastases in the thoracolumbar spine, by Jianhua Yao -- Quantitative Monitoring of Bone Formation in Ankylosing Spondylitis Using Computed Tomography, by Sovira Tan -- Three-dimensional Spine Reconstruction from Radiographs, by Samuel Kadoury -- Vertebral Column Localization, Segmentation, and Labeling, by V. Chaudhary -- Automated Determination of the Spine-Based Coordinate System for an Efficient Cross-Sectional Visualization of 3D Spine Images, by Tomaz Vrtovec -- Cross-Modality Vertebrae Localization and Labeling using Learning-Based Approaches, by Yiqiang Zhan, Bing Jian, Maneesh Dewan, Xiang Sean Zhou -- Articulated Statistical Shape Models of the Spine, by J. Boisvert -- Reconstruction of 3D Vertebral Model from A Single 2D Lateral Fluoroscopic Image, by Guoyan Zheng and Lutz-P. Nolte -- Graphical Model-based Vertebral Identification from X-ray

Images, by Xiao Dong and Guoyan Zheng -- Model-Based Segmentation, Reconstruction and Analysis of the Vertebral Body from Spinal CT, by Melih Aslan, Ahmed Shalaby, Asem Ali, and Aly A. Farag -- Image Guided Spine Intervention -- Toward Virtual Modeling and Templating for Enhanced Spine Surgery Planning, by Cristian Linte, David Holmes -- Automated Determination of the Spine-Based Coordinate System for an Efficient Cross-Sectional Visualization of 3D Spine Images, by Tamas Ungi, Andras Lasso, Gabor Fitchinger -- Robotic Assistance and Intervention in Spine Surgery, by Rajesh Kumar -- Index.

Sommario/riassunto

This book is instrumental to building a bridge between scientists and clinicians in the field of spine imaging by introducing state-of-the-art computational methods in the context of clinical applications. Spine imaging via computed tomography, magnetic resonance imaging, and other radiologic imaging modalities, is essential for noninvasively visualizing and assessing spinal pathology. Computational methods support and enhance the physician's ability to utilize these imaging techniques for diagnosis, non-invasive treatment, and intervention in clinical practice. Chapters cover a broad range of topics encompassing radiological imaging modalities, clinical imaging applications for common spine diseases, image processing, computer-aided diagnosis, quantitative analysis, data reconstruction and visualization, statistical modeling, image-guided spine intervention, and robotic surgery. This volume serves a broad audience as contributions were written by both clinicians and researchers, which reflects the intended readership as well, being a potentially comprehensive book for all spine related clinicians, technicians, scientists, and graduate students.
