1. Record Nr. UNINA9910826083503321

Titolo	Contaminated sites remediation : selected, peer reviewed papers from the International Conference on Contaminated Sites Remediation 2011 International Forum (RCST 2011), October 25-27, 2011, Chongqing, China / / edited by Dongwei Li
Pubbl/distr/stampa	Zurich, Switzerland : , : Trans Tech Publications, , 2012 ©2012
ISBN	3-03813-775-8
Descrizione fisica	1 online resource (360 p.)
Collana	Advanced Materials Research, , 1022-6680 ; ; Volume 414
Altri autori (Persone)	LiDongwei
Disciplina	363.72878
Soggetti	Hazardous waste site remediation Hazardous waste sites
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 indexes.
Nota di contenuto	Contaminated Sites Remediation; Preface; Table of Contents; Review of Contaminated Sites Remediation Technology; Compound Heavy Metal Contaminated Site Risk Assessment Based on Hazard Quotients; The Hazard Analysis of Plutonium Aerosol Resuspension in Typical Dated Nuclear-Polluted Regions; Coordination Reaction between Series Hydroxyl-Porphyrins and Pb2+ Studied by Spectroscopic Method; Determination of Pb-Contamination and Remediation Boundary Based on a Specific Site; Study on the Adsorption-Desorption Behavior of Cr in Soil as Affect by Zeolite WEEE Management in Chongqing, China: Status and StrategiesHealth Risk Assessment and Quantitative Calculation of Typical Cr Contaminated Sites; Quantitative Evaluation of a Typical Petroleum Hydrocarbon Contaminated Site; Detoxification of Chromium-Containing Slag by Chromium-Resistant Bacteria; Turn Brownfield into Green Space-Eco-Regeneration of Closed Landfill; The Remediation Standards and Evaluation Methods for Remediation Effectiveness of Contaminated Soil; Enhanced Electrokinetic Removal Heavy Metals in Pyrometallurgical Zinc Slags Assessment of Potential Ecological Hazard of Heavy Metals in Farmland

Based on GISThe Remedial Effect of the Decomposing Bacteria on Different Petroleum Hydrocarbon Contamination; The Study of Remediation Standards of Heavy Metal-Cu Contaminated Soil Based on Risk Assessment; Effects of Straw Ash and Sewage Sludge on the Quality of Pakchoi in Cadmium Contaminated Soil; Influence of Cations in Anolytes on the Power Efficiency in the Electrokinetic Remediation of Chromium(VI)-Contaminated Soils; Heavy Metals Leaching Experiment from the Pyritic Tailings by the T.F and T.T Bacterias
Calculation of Remediation Cut-Off Value of Pb-Contaminated Sites Based on the Health RiskResearch on the Migration of Petroleum Hydrocarbon Contamination in the Soil in Different Leaching Amount; The Land Ecological Restoration of Subsidence Area in Panji Coal Mine; Characteristics of Heavy Metals Contamination and Distribution in Shooting Range: A Case Study; Study on Lowcost Revegetation Technical Measures on Ferrum Tailings Bank in Huludao, Northeast China; Effect of Applied Voltage on the Electrokinetic Removal of Chromium from Soils
Thermal Desorption of Nitrobenzene-Contaminated Soil in a Vertical Heating OvenNumerical Simulation of Benzene in Soil Contaminant Transport by Finite Difference Method; Research on the Doubtful Radioactive Contaminated Sites in the Urban Area of Chongqing; The Particle Size Distribution, Gross Contents of Heavy Metals and its Leaching Behavior of Fly Ash from Municipal Solid Wastes Incineration of Chongqing; Research on Preparation and Application of Dewatering Agents for Tailings Water Treatment; Study on the Relationship between Contamination Distribution and Sampling Density
Stabilization of Chromium(VI) from Chromic Slag with Two Types of Thiol Collectors

Sommario/riassunto

The 2011 International Forum on Contaminated Sites Remediation aimed to improve Chinese soil environmental science and technology, to promote the development of Chinese contaminated-site management systems based upon risk assessment, to strengthen the engineering application ability of Chinese sustainable environmental restoration and to promote international cooperation and communication in contaminated-site management. At the same time, it was aimed at discussing the industrial development of environmental-risk assessment and remediation for contaminated sites, the current situation regardin

2. Record Nr. UNINA9910956147403321

Titolo	3D imaging : theory, technology and applications / / Emerson H. Duke and Stephen R. Aguirre, editors
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-61122-922-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (343 p.)
Collana	Computer Science, Technology and Applications
Altri autori (Persone)	DukeEmerson H AguirreStephen R
Disciplina	621.36/7
Soggetti	Three-dimensional imaging - Industrial applications Three-dimensional imaging in medicine Three-dimensional imaging in biology
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 and index.
Nota di contenuto	""3D IMAGING: THEORY, TECHNOLOGY AND APPLICATIONS ""; ""3D IMAGING: THEORY, TECHNOLOGY AND APPLICATIONS ""; ""CONTENTS""; ""PREFACE""; ""3D IMAGING OF ABDOMINAL AORTIC ANEURYSMS: TECHNIQUES AND APPLICATIONS ""; ""ABSTRACT""; "" Background""; ""Methods""; ""Results""; ""Conclusion""; ""1. INTRODUCTION ""; ""1.1 Incidence and Current Opinions ""; ""1.2 Medical Imaging""; ""2. 3D RECONSTRUCTION FROM CT SCANS ""; ""3. APPLICATIONS OF AAA 3D RECONSTRUCTIONS ""; ""4. NUMERICAL INVESTIGATIONS ""; ""4.1 Pre-Operative Planning for EVAR""; ""4.2 Stent-Graft Design"" ""4.3 Optimum Smoothing of 3D Models """"4.4 Determining AAA Asymmetry""; ""4.5 Improving Rupture Predictions""; ""4.6 Pre and Post-Operative Biomechanics""; ""4.7 Computer-Aided Design and Computer-Aided Manufacture ""; ""5. EXPERIMENTAL INVESTIGATIONS ""; ""5.1 In-Vitro Models ""; ""5.2 The Photoelastic Method ""; ""5.3 Improving Experimental Materials""; ""5.3.1 Material Selection, Development and Testing ""; ""5.3.2 Application to 3D Geometries ""; ""5.4 Experimental Rupture Testing""; ""6. CONCLUSION ""; ""ACKNOWLEDGMENTS ""; ""REFERENCES "" ""3D IMAGING OF PHASE MICROSCOPIC OBJECTS BY DIGITAL HOLOGRAPHIC METHOD""""ABSTRACT ""; ""INTRODUCTION ""; ""1. CLASSICAL AND HOLOGRAPHIC METHODS OF PHASE MICROOBJECTS

VISUALIZATION ""; ""1.1 Classical Methods of Phase Microscopic Objects Visualization ""; ""1.1.1 Zernike phase-contrast method""; ""1.1.2 The method of interference contrast ""; ""1.2 Holography as the Method of Recoding and Reconstruction of Waves ""; ""1.3 Holographic Methods of Phase Microscopic Objects Visualization ""; ""1.3.1 History of holographic microscopy ""
""1.3.2 Holographic phase-contrast method (the method of holographic addition and subtraction in an interference fringe) """"""1.3.3 The method of holographic interferometry in fringes of finite width ""; ""1.3.4 Comparison of the possibilities of the holographic methods for solution the problem of obtaining 3D images of phase microobjects ""; ""1.4 Digital Holographic Interference Microscope ""; ""2. APPLICATION OF THE DIGITAL HOLOGRAPHIC MICROSCOPY FOR PHASE MICROOBJECTS STUDY""; ""2.1 DHIM Study of The 3D Morphology of Blood Erythrocytes""; ""2.2 DHIM Study of Thin Transparent Films ""
""CONCLUSION""""""REFERENCES ""; ""ELECTRON MICROSCOPE TOMOGRAPHY IN STRUCTURAL BIOLOGY ""; ""ABSTRACT ""; ""INTRODUCTION""; ""DATA ACQUISITION""; ""PRE-PROCESSING: ALIGNMENT AND RESTORATION ""; ""TOMOGRAPHIC RECONSTRUCTION""; ""POST-PROCESSING AND INTERPRETATION OF TOMOGRAMS ""; ""AN ILLUSTRATIVE EXAMPLE: EMT OF VACCINIA VIRUS ""; ""HIGH PERFORMANCE COMPUTING IN EMT ""; ""SOFTWARE TOOLS FOR EMT ""; ""CONCLUSION ""; ""ACKNOWLEDGMENTS""; ""REFERENCES""; ""THREE-DIMENSIONAL IMAGING AND PROCESSING""; ""ABSTRACT ""; ""1. INTRODUCTION ""; ""2. CURRENT STATUS AND PROBLEM ""
""3. 3D RECONSTRUCTION ALGORITHM ""

Sommario/riassunto

Electron microscope tomography (EMT) has emerged as the leading technique for three-dimensional (3D) structural analysis of unique complex biological specimens. This book reviews the different computational stages involved in EMT, from image acquisition to interpretation of the 3D reconstruction.