1.

Record Nr.	UNINA9910784565403321
Titolo	Computer-graphic facial reconstruction [[electronic resource] /] / [edited by] John G. Clement and Murray K. Marks
Pubbl/distr/stampa	Burlington, MA, : Elsevier Academic Press, c2005
ISBN	1-280-63793-5 9786610637935 0-08-045422-4
Descrizione fisica	1 online resource (409 p.)
Altri autori (Persone)	ClementJohn G MarksMurray K
Disciplina	006.4 614.1
Soggetti	Forensic osteology Facial reconstruction (Anthropology) Forensic anthropology Human face recognition (Computer science) Dead
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	COVER; COMPUTER-GRAPHIC FACIAL RECONSTRUCTION; CONTENTS; FOREWORD; PREFACE; ACKNOWLEDGEMENTS; ABOUT THE EDITORS; LIST OF CONTRIBUTORS; PART I HISTORY AND BACKGROUND; CHAPTER 1 INTRODUCTION TO FACIAL RECONSTRUCTION; 1.1 BACKGROUND; 1.2 UNITING MICRO- AND MACROMORPHOLOGICAL THEMES; 1.3 FORENSIC IMPERATIVES; REFERENCES; CHAPTER 2 CLASSICAL NON-COMPUTER-ASSISTED CRANIOFACIAL RECONSTRUCTION; 2.1 INTRODUCTION; 2.2 CRANIOFACIAL RECONSTRUCTION; 2.3 HISTORY OF CFR; 2.4 ANTHROPOLOGICAL ANALYSIS OF THE SKULL; 2.5 SOFT-TISSUE DEPTH; 2.6 MANUAL 2D CFR; 2.6.1 SKETCHES; 2.6.2 GEORGE'S METHOD 2.7 MANUAL 3D CFR2.8 DISCUSSION; ACKNOWLEDGEMENTS; REFERENCES; CHAPTER 3 THE WISDOM OF BONES: FACIAL APPROXIMATION ON THE SKULL; 3.1 INTRODUCTION; 3.2 THE PURPOSE OF FACIAL APPROXIMATION; 3.3 A HISTORIC PERSPECTIVE; 3.4 WHAT

Sommario/riassunto

This unique books looks at a cost-efficient, fast and accurate means of facial reconstruction--from segmented, decomposed, or skeletal remains--using computer-graphic and computational means. Computer-Graphic Facial Reconstruction is designed as a valuable resource for those scientists designing new research projects and protocols, as well as a practical handbook of methods and techniques for medico-legal practitioners who actually identify the faceless victims of crime. It looks at a variety of approaches: artificial intelligence using neural networks, case-based reasoning, Baysian be