

1. Record Nr.	UNISA996464533803316
Titolo	Digital anatomy : applications of virtual, mixed and augmented reality / / Jean-Francois Uhl [and three others], editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-61905-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XIV, 385 p. 218 illus., 202 illus. in color.)
Collana	Human-computer interaction series
Disciplina	371.33468
Soggetti	Virtual reality in education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction -- Chapter 2. From anatomical dissection to computerized assisted anatomical dissection -- Part I. Imaging Segmentation & Reconstruction -- Chapter 3. The interest of 3d modeling from anatomical or histological slices for research: Methodology and results of Computer-Assisted Anatomical Dissection (CAAD) method -- Chapter 4. Technique of Volume Rendering from DICOM data (MDCT) applied to the study of Virtual Anatomy -- Chapter 5. 3D vectorial modeling from anatomical slices: building of a 3D Atlas -- Chapter 6. Segmentation software from VRT reconstruction -- Chapter 7. 3D Reconstruction of CT images using Free Software Tools -- Chapter 8. Statistical analysis of organ's shapes and deformations: the Riemannian and the affine settings in computational anatomy -- Part II. Applications -- Chapter 9. Patient Specific Anatomy : the new area of anatomy based on 3D modelling -- Chapter 10. High fidelity 3D anatomical visualization of the fiber bundles of ^ Mixed Reality Virtual Dissection Table -- Chapter 13. The Road to Birth: Using Extended Reality to visualize pregnancy anatomy -- Chapter 14. Innovations in Microscopic Neurosurgery -- Chapter 15. Cataracts, VR and Digital Anatomy -- Part III. Education -- Chapter 16. VR Simulation for Radiation Therapy Education -- Chapter 17. Towards Constructivist Approach Using Virtual Reality in Anatomy Education -- Chapter 18. InNervate AR: Mobile Augmented Reality for Studying Motor Nerve Deficits in Anatomy Education -- Chapter 19. Virtual and augmented

reality for educational anatomy.

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## Sommario/riassunto

This book offers readers fresh insights on applying Extended Reality to Digital Anatomy, a novel emerging discipline. Indeed, the way professors teach anatomy in classrooms is changing rapidly as novel technology-based approaches become ever more accessible. Recent studies show that Virtual (VR), Augmented (AR), and Mixed-Reality (MR) can improve both retention and learning outcomes. Readers will find relevant tutorials about three-dimensional reconstruction techniques to perform virtual dissections. Several chapters serve as practical manuals for students and trainers in anatomy to refresh or develop their Digital Anatomy skills. We developed this book as a support tool for collaborative efforts around Digital Anatomy, especially in distance learning, international and interdisciplinary contexts. We aim to leverage source material in this book to support new Digital Anatomy courses and syllabi in interdepartmental, interdisciplinary collaborations. Digital Anatomy – Applications of Virtual, Mixed and Augmented Reality provides a valuable tool to foster cross-disciplinary dialogues between anatomists, surgeons, radiologists, clinicians, computer scientists, course designers, and industry practitioners. It is the result of a multidisciplinary exercise and will undoubtedly catalyze new specialties and collaborative Master and Doctoral level courses world-wide. In this perspective, the UNESCO Chair in digital anatomy was created at the Paris Descartes University in 2015 ([www.anatomieunesco.org](http://www.anatomieunesco.org)). It aims to federate the education of anatomy around university partners from all over the world, wishing to use these new 3D modeling techniques of the human body.

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2. Record Nr.	UNINA9910953800103321
Autore	Shahar Shulamith
Titolo	The fourth estate : a history of women in the Middle Ages // Shulamith Shahar ; translated by Chaya Galai
Pubbl/distr/stampa	London ; ; New York, : Routledge, 2003
ISBN	1-134-39420-9 1-138-13546-1 0-203-42639-8 1-134-39421-7 1-280-02492-5
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (390 p.)
Disciplina	305.40902 305.420940902
Soggetti	Women - Europe - History - Middle Ages, 600-1500 Europe History 476-1492
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Translation of: Die Frau im Mittelalter.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The Fourth EstateA history of women in the Middle Ages; Copyright; Contents; List of Illustrations; Preface; Foreword; 1 Introduction; 2 Public and Legal Rights; 3 Nuns; 4 Married Women; 5 Women in the Nobility; 6 Townswomen; 7 Women in the Peasantry; 8 Witches and the Heretical Movements; Notes; Index
Sommario/riassunto	Did women really constitute a `fourth estate' in medieval society and, if so, in what sense? In this wide-ranging study Shulamith Shahar considers this and the whole question of the varying attitudes to women and their status in western Europe between the twelfth and the fifteenth centuries.