

1. Record Nr.	UNINA9910811690603321
Autore	Kharmanda Ghias
Titolo	Biomechanics : optimization, uncertainties and reliability / / Ghias Kharmanda, Abdelkhalak El Hami
Pubbl/distr/stampa	London, UK : , : ISTE Hoboken, NJ : , : Wiley, , 2017
ISBN	1-119-37912-1 1-119-37910-5 1-119-37911-3
Descrizione fisica	1 online resource (xviii, 230 pages) : illustrations
Collana	Mechanical engineering and solid mechanics series Reliability of multiphysical systems set ; ; 5 THEi Wiley ebooks
Disciplina	571.43
Soggetti	Biomechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages 213-227) and index.
Nota di contenuto	Introduction to structural optimization -- Integration of structural optimization into biomechanics -- Integration of reliability into structural optimization -- Reliability-based design optimization model -- Reliability-based topology optimization model -- Integration of reliability and structural optimization into prosthesis design -- Appendix 1 : ANSYS code for stem geometry -- Appendix 2 : ANSYS code for mini-plate geometry -- Appendix 3 : ANSYS code for dental implant geometry -- Appendix 4 : ANSYS code for geometry of dental implant with bone.