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Autore	Skalli Wafa
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Sommario/riassunto	This book gathers selected, extended and revised contributions to the 18th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering, held on May 3-5, 2023, at Arts Et Métiers - Institute Of Technology, in Paris, France. They highlight cutting-edge advances in computational modelling in biomedical engineering, discusses new developments on imaging and visualization, as well as solutions for applying them in the clinical practice. All in all, this book offers a timely snapshot of the latest research and current challenges at the interface between biomedical engineering, computational biomechanics and biological imaging. It also aims at fostering future, cross-disciplinary collaborations.