Record Nr. UNISA996466465403316 Medical Computer Vision and Bayesian and Graphical Models for **Titolo** Biomedical Imaging [[electronic resource]]: MICCAI 2016 International Workshops, MCV and BAMBI, Athens, Greece, October 21, 2016, Revised Selected Papers / / edited by Henning Müller, B. Michael Kelm, Tal Arbel, Weidong Cai, M. Jorge Cardoso, Georg Langs, Bjoern Menze, Dimitris Metaxas, Albert Montillo, William M. Wells III, Shaoting Zhang, Albert C.S. Chung, Mark Jenkinson, Annemie Ribbens Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2017 **ISBN** 3-319-61188-7 [1st ed. 2017.] Edizione 1 online resource (XIII, 222 p. 75 illus.) Descrizione fisica Collana Image Processing, Computer Vision, Pattern Recognition, and Graphics; : 10081 610.28 Disciplina Soggetti Optical data processing Health informatics Artificial intelligence Mathematical statistics Computer science—Mathematics Pattern recognition Image Processing and Computer Vision **Health Informatics** Artificial Intelligence Probability and Statistics in Computer Science Math Applications in Computer Science Pattern Recognition Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index.

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Sommario/riassunto

This book constitutes the thoroughly refereed post-workshop proceedings of the International Workshop on Medical Computer Vision, MCV 2016, and of the International Workshop on Bayesian and grAphical Models for Biomedical Imaging, BAMBI 2016, held in Athens, Greece, in October 2016, held in conjunction with the 19th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2016. The 13 papers presented in MCV workshop and the 6 papers presented in BAMBI workshop were carefully reviewed and selected from numerous submissions. The goal of the MCV workshop is to explore the use of "big data" algorithms for harvesting, organizing and learning from large-scale medical imaging data sets and for general-purpose automatic understanding of medical images. The BAMBI workshop aims to highlight the potential of using Bayesian or random field graphical models for advancing research in biomedical image analysis.