1. Record Nr. UNISA996465749003316

Titolo	Statistical Atlases and Computational Models of the Heart. Imaging and Modelling Challenges [[electronic resource]] : 6th International Workshop, STACOM 2015, Held in Conjunction with MICCAI 2015, Munich, Germany, October 9, 2015, Revised Selected Papers / / edited by Oscar Camara, Tommaso Mansi, Mihaela Pop, Kawal Rhode, Maxime Sermesant, Alistair Young
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-28712-5
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XI, 218 p. 91 illus.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 9534
Disciplina	611.12
Soggetti	Computer simulation Optical data processing Health informatics Mathematical statistics Pattern recognition Cardiology Simulation and Modeling Image Processing and Computer Vision Health Informatics Probability and Statistics in Computer Science Pattern Recognition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cardiac image processing -- Atlas construction -- Statistical modeling of cardiac function across different patient populations -- Cardiac mapping -- Cardiac computational physiology -- Model customization -- Image-based modelling and image-guided interventional procedures -- Atlas based functional analysis.-Ontological schemata for data and results -- Integrated functional and structural analysis.

Sommario/riassunto

This book constitutes the thoroughly refereed post-workshop proceedings of the 6th International Workshop on Statistical Atlases and Computational Models of the Heart: Imaging and Modelling Challenges, STACOM 2015, held in conjunction with MICCAI 2015, in Munich, Germany, in October 2015. The 23 revised full workshop papers were carefully reviewed and selected from 34 submissions. The papers cover a wide range of topics such cardiac image processing, atlas construction, statistical modeling of cardiac function across different patient populations, cardiac mapping, cardiac computational physiology, model customization, image-based modelling and image-guided interventional procedures, atlas based functional analysis, ontological schemata for data and results, integrated functional and structural analysis.