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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics, , 3004-9954 ; ; 10124
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Soggetti	Computer vision Medical informatics Computer simulation Computer science - Mathematics Mathematical statistics Pattern recognition systems Cardiology Computer Vision Health Informatics Computer Modelling Probability and Statistics in Computer Science Automated Pattern Recognition
Lingua di pubblicazione	Inglese
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Nota di contenuto	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 analyses -- Pre-clinical and clinical applicability of the methods described.

Sommario/riassunto

This book constitutes the thoroughly refereed post-workshop proceedings of the 7th International Workshop on Statistical Atlases and Computational Models of the Heart: Imaging and Modelling Challenges. 7th International Workshop, STACOM 2016, Held in conjunction with MICCAI 2016, Athens, Greece, October 17, 2016, Revised Selected papers The 24 revised full workshop papers were carefully reviewed and selected from 32 submissions. The papers cover a wide range of topics such as cardiac image processing; atlas construction, statistical modelling 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 analyses; pre-clinical and clinical applicability of the methods described.