

1. Record Nr.	UNICAMPANIAVAN0265725
Autore	Zaanen, Adriaan C.
Titolo	Continuity, Integration and Fourier Theory / Adriaan C. Zaanen
Pubbl/distr/stampa	Berlin, : Springer, 1989
Descrizione fisica	viii, 251 p. : ill. ; 24 cm
Soggetti	26-XX - Real functions [MSC 2020] 42-XX - Harmonic analysis on Euclidean spaces [MSC 2020] 42A20 - Convergence and absolute convergence of Fourier and trigonometric series [MSC 2020] 41A10 - Approximation by polynomials [MSC 2020] 41A36 - Approximation by positive operators [MSC 2020] 42A38 - Fourier and Fourier-Stieltjes transforms and other transforms of Fourier type [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910299495503321
Titolo	Bio-Imaging and Visualization for Patient-Customized Simulations // edited by João Manuel R. S. Tavares, Xiongbiao Luo, Shuo Li
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	9783319035901 3319035908
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (xiv, 137 pages) : illustrations (some color)
Collana	Lecture Notes in Computational Vision and Biomechanics, , 2212-9413 ; ; 13
Disciplina	621.367
Soggetti	Biomedical engineering Image processing - Digital techniques Computer vision Medicine - Research Biology - Research Mathematics Biomedical Engineering and Bioengineering Computer Imaging, Vision, Pattern Recognition and Graphics Biomedical Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"ISSN: 2212-9391." "ISSN: 2212-9413 (electronic)."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface -- Workshop Organizers -- Workshop Program Committee -- Acknowledgements -- Novel Colon Wall Flattening Model for Computed Tomographic Colonography: Method and Validation, by Huafeng Wang, Lihong Li, Hao Han, Yunhong Wang, Weifeng Lv, Xianfeng Gu, Zhengrong Liang -- Biomechanical Simulation of Lung Deformation from One CT Scan, by Feng Li, Fatih Porikli -- 2D-3D Registration: A Step towards Image-Guided Ankle Fusion, by Ahmed Shalaby, Aly Farag, Eslam Mostafa, Todd Hockenbury -- A Graph Based Methodology for Volumetric Left Ventricle Segmentation, by S. P. Dakua, J. Abi Nahed, A. Al-Ansari -- Minimally Interactive MRI Segmentation for Subject-Specific Modelling of the Tongue, by Negar

M. Harandi, Rafeef Abugharbieh, Sidney Fels -- Real-time and Accurate Endoscope Electromagnetic Tracking via Marker-free Registration Based on Endoscope Tip Center, by Xiongbiao Luo, Kensaku Mori -- Evaluation of Image Guided Robot Assisted Surgical Training for Patient Specific Laparoscopic Surgery, by Tao Yang, Kyaw Kyar Toe, Chin Boon Chng, Chee Kong Chui, Jiang Liu, Stephan K.Y. Chang -- Proxemics Measurement during Social Anxiety Disorder Therapy using a RGBD Sensors Network, by Julien Leroy, François Rocca, Bernard Gosselin -- How Do Sex, Age and Osteoarthritis Affect Cartilage Thickness at the Thumb Carpometacarpal Joint? Insights from Subject-Specific Cartilage Modeling, by Eni Halilaj, David H Laidlaw, Douglas C Moore, Joseph J Crisco -- Patient Specific Modeling of Pectus Excavatum for the Nuss Procedure Simulation, by Krzysztof J. Rechowicz, Mohammad F. Obeid, Frederic D. McKenzie -- Formulating a Pedicle Screw Fastening Strength Surrogate via Patient-Specific Virtual Templating and Planning, by Cristian A. Linte, Jon J. Camp, Kurt Augustine, Paul M. Huddleston, Anthony A. Stans, David R. Holmes III, Richard A. Robb.

Sommario/riassunto

This book contains the full papers presented at the MICCAI 2013 workshop Bio-Imaging and Visualization for Patient-Customized Simulations (MWBIVPCS 2013). MWBIVPCS 2013 brought together researchers representing several fields, such as Biomechanics, Engineering, Medicine, Mathematics, Physics and Statistic. The contributions included in this book present and discuss new trends in those fields, using several methods and techniques, including the finite element method, similarity metrics, optimization processes, graphs, hidden Markov models, sensor calibration, fuzzy logic, data mining, cellular automation, active shape models, template matching and level sets. These serve as tools to address more efficiently different and timely applications involving signal and image acquisition, image processing and analysis, image segmentation, image registration and fusion, computer simulation, image based modelling, simulation and surgical planning, image guided robot assisted surgical and image based diagnosis. This book will appeal to researchers, PhD students, and graduate students with multidisciplinary interests related to the areas of medical imaging, image processing and analysis, computer vision, image segmentation, image registration and fusion, scientific data visualization, and image based modeling and simulation.
