

1. Record Nr.	UNINA9910484652603321
Titolo	Medical Image Computing and Computer-Assisted Intervention - MICCAI 2014 : 17th International Conference, Boston, MA, USA, September 14-18, 2014, Proceedings, Part II / / edited by Polina Golland, Nobuhiko Hata, Christian Barillot, Joachim Hornegger, Robert Howe
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	9783319104706 3319104705
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XXX, 824 p. 365 illus.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics, , 3004-9954 ; ; 8674
Disciplina	617.00785
Soggetti	Computer vision Pattern recognition systems Computer graphics Artificial intelligence Radiology Medical informatics Computer Vision Automated Pattern Recognition Computer Graphics Artificial Intelligence Health Informatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Biophysical modeling and simulation -- Atlas-based transfer of boundary conditions for biomechanical simulation -- Temporal and motion modeling -- Computer-aided diagnosis -- Pediatric imaging -- Endoscopy -- Ultrasound imaging -- Machine learning -- Cardiovascular imaging -- Intervention planning and guidance -- Brain.
Sommario/riassunto	The three-volume set LNCS 8673, 8674, and 8675 constitutes the

refereed proceedings of the 17th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2014, held in Boston, MA, USA, in September 2014. Based on rigorous peer reviews, the program committee carefully selected 253 revised papers from 862 submissions for presentation in three volumes. The 100 papers included in the second volume have been organized in the following topical sections: biophysical modeling and simulation; atlas-based transfer of boundary conditions for biomechanical simulation; temporal and motion modeling; computer-aided diagnosis; pediatric imaging; endoscopy; ultrasound imaging; machine learning; cardiovascular imaging; intervention planning and guidance; and brain.

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