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Nota di contenuto	Intro -- Preface -- Organization -- Contents - Part II -- Computer Aided Diagnosis II: Automation -- Computer-Aided Detection and Quantification of Intracranial Aneurysms -- 1 Introduction -- 2 Methods -- 3 Experiments and Results -- 4 Discussion -- References -- Discriminative Feature Selection for Multiple Ocular Diseases Classification by Sparse Induced Graph Regularized Group Lasso -- 1 Introduction -- 2 Discriminative Feature Selection by Graph Regularized Group Lasso -- 3 Experiments -- 4 Conclusion -- References --

Detection of Glands and Villi by Collaboration of Domain Knowledge and Deep Learning -- 1 Introduction -- 2 Methodology -- 3 Experiments and Discussions -- References -- Minimum S-Excess Graph for Segmenting and Tracking Multiple Borders with HMM -- 1 Introduction -- 2 Proposed Method -- 3 Application and Results -- 4 Conclusions -- References -- Automatic Artery-Vein Separation from Thoracic CT Images Using Integer Programming -- 1 Introduction -- 2 Method -- 3 Experimental Setup and Results -- 4 Discussion and Conclusion -- References -- Automatic Dual-View Mass Detection in Full-Field Digital Mammograms -- 1 Introduction -- 2 Methods -- 3 Results -- 4 Discussion -- References -- Leveraging Mid-Level Semantic Boundary Cues for Automated Lymph Node Detection -- 1 Introduction -- 2 Methods -- 3 Evaluation and Discussion -- 4 Conclusion -- References -- Ultrasound-Based Detection of Prostate Cancer Using Automatic Feature Selection with Deep Belief Networks -- 1 Introduction -- 2 Materials -- 3 Methods -- 4 Results -- 5 Discussion and Conclusion -- References -- Regenerative Random Forest with Automatic Feature Selection to Detect Mitosis in Histopathological Breast Cancer Images -- 1 Introduction -- 2 Methods -- 3 Experimental Results -- 4 Conclusions -- References. HoTPiG: A Novel Geometrical Feature for Vessel Morphometry and Its Application to Cerebral Aneurysm Detection -- 1 Introduction -- 2 HoTPiG -- 3 Computer-Assisted Detection of Aneurysms -- 4 Experimental Results -- 5 Discussion and Conclusion -- References -- Robust Segmentation of Various Anatomies in 3D Ultrasound Using Hough Forests and Learned Data Representations -- 1 Introduction and Related Work -- 2 Method -- 3 Results -- 4 Conclusion and Acknowledgement -- References -- Improved Parkinson's Disease Classification from Diffusion MRI Data by Fisher Vector Descriptors -- 1 Introduction -- 2 Methods -- 3 Experiments -- 4 Discussion and Future Work -- References -- Automated Shape and Texture Analysis for Detection of Osteoarthritis from Radiographs of the Knee -- 1 Introduction -- 2 Background -- 3 Method -- 4 Results -- 5 Discussion and Conclusion -- References -- Hashing Forests for Morphological Search and Retrieval in Neuroscientific Image Databases -- 1 Introduction -- 2 Methodology -- 3 Experiments and Observations -- 4 Conclusions -- References -- Automatic Graph-Based Localization of Cochlear Implant Electrodes in CT -- 1 Introduction -- 2 Methods -- 3 Results -- 4 Conclusions -- References -- Towards Non-invasive Image-Based Early Diagnosis of Autism -- 1 Introduction -- 2 Methods -- 3 Experimental Results and Conclusions -- References -- Identifying Connectome Module Patterns via New Balanced Multi-graph Normalized Cut -- 1 Introduction -- 2 Methodology -- 3 Experiments and Discussions -- 4 Conclusion and Future Work -- References -- Semantic 3-D Labeling of Ear Implants Using a Global Parametric Transition Prior -- 1 Introduction -- 2 Model -- 3 Optimization -- 4 Learning -- 5 Experiments -- 6 Conclusions and Future Work -- References -- Learning the Correlation Between Images and Disease Labels Using Ambiguous Learning. 1 Introduction -- 2 Related Work -- 3 Extracting Disease Labels from Reports -- 4 Feature Extraction from Doppler Images -- 5 Ambiguity Reduction Using Machine Learning -- 6 Results -- 7 Conclusions -- References -- Longitudinal Analysis of Brain Recovery after Mild Traumatic Brain Injury Based on Groupwise Consistent Brain Network Clusters -- 1 Introduction -- 2 Data Acquisition -- 3 Method -- 4 Results -- 5 Discussion and Conclusion -- References -- Registration: Method and Advanced Applications -- Dictionary Learning Based Image Descriptor for Myocardial Registration of CP-BOLD MR -- 1

Introduction -- 2 Background -- 3 Method -- 4 Results -- 5
Discussions and Conclusion -- References -- Estimating Patient
Specific Templates for Pre-operative and Follow-Up Brain Tumor
Registration -- 1 Introduction -- 2 Segmentation of Pre-operative and
Follow-Up Scans -- 3 Combined Registration and Inpainting Framework
-- 4 Experiments -- 5 Conclusion -- References -- Topography-Based
Registration of Developing Cortical Surfaces in Infants Using
Multidirectional Varifold Representation -- 1 Introduction -- 2
Varifold-Based Surface Matching -- 3 Topography-Based Cortical
Surface Matching Using Varifold Metric -- 4 Results -- 5 Discussion
and Conclusion -- References -- A Liver Atlas Using the Special
Euclidean Group -- 1 Introduction -- 2 The Special Euclidean Group --
3) -- 3 Shape Encoding and Model Construction -- 4 Experiments and
Results -- 5 Discussion and Conclusions -- References -- Multi-scale
and Multimodal Fusion of Tract-Tracing, Myelin Stain and DTI-derived
Fibers in Macaque Brains -- 1 Introduction -- 2 Materials and
Preprocessing -- 3 Methods -- 4 Experimental Results -- 5 Discussion
and Conclusion -- References -- Space-Frequency Detail-Preserving
Construction of Neonatal Brain Atlases -- 1 Introduction -- 2 Method
-- 3 Experiments -- 4 Conclusion.
References -- Mid-Space-Independent Symmetric Data Term for
Pairwise Deformable Image Registration -- 1 Introduction -- 2 Methods
-- 3 Experimental Results -- 4 Conclusions -- References -- A 2D-3D
Registration Framework for Freehand TRUS-Guided Prostate Biopsy --
1 Introduction -- 2 Methods -- 3 Experiments and Results -- 4
Discussion and Conclusions -- References -- Unsupervised Free-View
Groupwise Segmentation for M3 Cardiac Images Using Synchronized
Spectral Network -- 1 Introduction -- 2 Methodology -- 3 Experiment
-- 4 Conclusions -- References -- Uncertainty Quantification for
LDDMM Using a Low-Rank Hessian Approximation -- 1 Introduction --
2 Covariance Matrix and Hessian of the Energy -- 3 Hessian Calculation
and Covariance Estimation -- 4 Experiments and Discussions --
References -- A Stochastic Quasi-Newton Method for Non-Rigid Image
Registration -- 1 Introduction -- 2 Methods -- 3 Experiment -- 4
Results -- 5 Conclusion -- References -- Locally Orderless Registration
for Diffusion Weighted Images -- 1 Introduction -- 2 Previous Work
and Background -- 3 Locally Orderless DWI -- 4 Image Registration --
5 Experiments and Results -- 6 Discussion and Conclusion --
References -- Predicting Activation Across Individuals with Resting-
State Functional Connectivity Based Multi-Atlas Label Fusion -- 1
Introduction -- 2 Method -- 3 Experiments -- 4 Conclusion --
References -- Crossing-Lines Registration for Direct Electromagnetic
Navigation -- 1 Introduction -- 2 Materials and Methods -- 3 Results
-- 4 Discussion -- References -- A Robust Outlier Elimination
Approach for Multimodal Retina Image Registration -- 1 Introduction
-- 2 Proposed Method -- 3 Results -- 4 Conclusions -- References --
Estimating Large Lung Motion in COPD Patients by Symmetric
Regularised Correspondence Fields -- 1 Introduction -- 2 Method -- 3
Experiments and Results.
4 Conclusion -- References -- Combining Transversal and Longitudinal
Registration in IVUS Studies -- 1 Introduction -- 2 Methodology -- 3
Results and Discussion -- 4 Conclusions -- References -- Interpolation
and Averaging of Multi-Compartment Model Images -- 1 Introduction
-- 2 Theory -- 3 Experiments and Results -- 4 Conclusion --
References -- Structured Decision Forests for Multi-modal Ultrasound
Image Registration -- 1 Introduction -- 2 Methods -- 3 Experiments
and Results -- 4 Conclusion -- References -- A Hierarchical Bayesian
Model for Multi-Site Diffeomorphic Image Atlases -- 1 Introduction --

2 Background -- 3 Hierarchical Bayesian Model -- 4 Results -- 5 Conclusion -- References -- Distance Networks for Morphological Profiling and Characterization of DICCCOL Landmarks -- 1 Introduction -- 2 Method -- 3 Results -- 4 Conclusion -- References -- Which Metrics Should Be Used in Non-linear Registration Evaluation? -- 1 Introduction -- 2 Methods -- 3 Results -- 4 Discussion -- 5 Conclusion -- References -- Modelling and Simulation for Diagnosis and Interventional Planning -- Perfusion Paths: Inference of Voxelwise Blood Flow Trajectories in CT Perfusion -- 1 Introduction -- 2 Related Work -- 3 Mathematical Model -- 4 Experiments -- 5 Discussion and Conclusion -- References -- Automatic Prostate Brachytherapy Preplanning Using Joint Sparse Analysis -- 1 Introduction -- 2 Methods -- 3 Experiments and Results -- 4 Discussion and Conclusion -- References -- Bayesian Personalization of Brain Tumor Growth Model -- 1 Introduction -- 2 Method -- 3 Experiments and Results -- 4 Conclusion -- References -- Vito - A Generic Agent for Multi-physics Model Personalization: Application to Heart Modeling -- 1 Introduction -- 2 Method -- 3 Experiments and Results -- 4 Discussion and Conclusion -- References.
Database-Based Estimation of Liver Deformation under Pneumoperitoneum for Surgical Image-Guidance and Simulation.

Sommario/riassunto

The three-volume set LNCS 9349, 9350, and 9351 constitutes the refereed proceedings of the 18th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2015, held in Munich, Germany, in October 2015. Based on rigorous peer reviews, the program committee carefully selected 263 revised papers from 810 submissions for presentation in three volumes. The papers have been organized in the following topical sections: quantitative image analysis I: segmentation and measurement; computer-aided diagnosis: machine learning; computer-aided diagnosis: automation; quantitative image analysis II: classification, detection, features, and morphology; advanced MRI: diffusion, fMRI, DCE; quantitative image analysis III: motion, deformation, development and degeneration; quantitative image analysis IV: microscopy, fluorescence and histological imagery; registration: method and advanced applications; reconstruction, image formation, advanced acquisition - computational imaging; modelling and simulation for diagnosis and interventional planning; computer-assisted and image-guided interventions. .
