1. Record Nr. UNISA996466191303316

Titolo	Medical Image Computing and Computer Assisted Intervention – MICCAI 2019 [[electronic resource]] : 22nd International Conference, Shenzhen, China, October 13–17, 2019, Proceedings, Part II / / edited by Dinggang Shen, Tianming Liu, Terry M. Peters, Lawrence H. Staib, Caroline Essert, Sean Zhou, Pew-Thian Yap, Ali Khan
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-32245-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XXXVIII, 874 p.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 11765
Disciplina	006.6 006.37
Soggetti	Optical data processing Pattern recognition Artificial intelligence Health informatics Image Processing and Computer Vision Pattern Recognition Artificial Intelligence Health Informatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Image Segmentation -- Searching Learning Strategy with Reinforcement Learning for 3D Medical Image Segmentation -- Comparative Evaluation of Hand-Engineered and Deep-Learned Features for Neonatal Hip Bone Segmentation in Ultrasound -- Unsupervised Quality Control of Image Segmentation based on Bayesian Learning -- One Network To Segment Them All: A General, Lightweight System for Accurate 3D Medical Image Segmentation -- 'Project & Excite' Modules for Segmentation of Volumetric Medical Scans -- Assessing Reliability and Challenges of Uncertainty Estimations for Medical Image Segmentation -- Learning Cross-Modal Deep Representations for

Multi-Modal MR Image Segmentation -- Extreme Points Derived Confidence Map as a Cue For Class-Agnostic Segmentation Using Deep Neural Network -- Hetero-Modal Variational Encoder-Decoder for Joint Modality Completion and Segmentation -- Instance Segmentation from Volumetric Biomedical Images without Voxel-Wise Labeling -- Optimizing the Dice Score and Jaccard Index for Medical Image Segmentation: Theory & Practice -- Dual Adaptive Pyramid Network for Cross-Stain Histopathology Image Segmentation -- HD-Net: Hybrid Discriminative Network for Prostate Segmentation in MR Images -- PHiSeg: Capturing Uncertainty in Medical Image Segmentation -- Neural Style Transfer Improves 3D Cardiovascular MR Image Segmentation on Inconsistent Data -- Supervised Uncertainty Quantification for Segmentation with Multiple Annotations -- 3D Tiled Convolution for Effective Segmentation of Volumetric Medical Images -- Hyper-Pairing Network for Multi-Phase Pancreatic Ductal Adenocarcinoma Segmentation -- Statistical intensity- and shape-modeling to automate cerebrovascular segmentation from TOF-MRA data -- Segmentation of Vessels in Ultra High Frequency Ultrasound Sequences using Contextual Memory -- Accurate Esophageal Gross Tumor Volume Segmentation in PET/CT using Two-Stream Chained 3D Deep Network Fusion -- Mixed-Supervised Dual-Network for Medical Image Segmentation -- Fully Automated Pancreas Segmentation with Two-stage 3D Convolutional Neural Networks -- Globally Guided Progressive Fusion Network for 3D Pancreas Segmentation -- Automatic Segmentation of Muscle Tissue and Inter-muscular Fat in Thigh and Calf MRI Images -- Resource Optimized Neural Architecture Search for 3D Medical Image Segmentation -- Radiomics-guided GAN for Segmentation of Liver Tumor without Contrast Agents -- Liver Segmentation in Magnetic Resonance Imaging via Mean Shape Fitting with Fully Convolutional Neural Networks -- Unsupervised Domain Adaptation via Disentangled Representations: Application to Cross-Modality Liver Segmentation -- Automatic Segmentation of Vestibular Schwannoma from T2-Weighted MRI by Deep Spatial Attention with Hardness-Weighted Loss -- Learning Shape Representation on Sparse Point Clouds for Volumetric Image Segmentation -- Collaborative Multi-agent Learning for MR Knee Articular Cartilage Segmentation -- 3D U2-Net: A 3D Universal U-Net for Multi-Domain Medical Image Segmentation -- Impact of Adversarial Examples on Deep Learning Segmentation Models -- Multi-Resolution Path CNN with Deep Supervision for Intervertebral Disc Localization and Segmentation -- Automatic paraspinal muscle segmentation in patients with lumbar pathology using deep convolutional neural network -- Constrained Domain Adaptation for Segmentation -- Image Registration -- Image-and-Spatial Transformer Networks for Structure-Guided Image Registration -- Probabilistic Multilayer Regularization Network for Unsupervised 3D Brain Image Registration -- A deep learning approach to MR-less spatial normalization for tau PET images -- TopAwaRe: Topology-Aware Registration -- Multimodal Data Registration for Brain Structural Association Networks -- Dual-Stream Pyramid Registration Network -- A Cooperative Autoencoder for Population-Based Regularization of CNN Image Registration -- Conditional Segmentation in Lieu of Image Registration -- On the applicability of registration uncertainty -- DeepAtlas: Joint Semi-Supervised Learning of Image Registration and Segmentation -- Linear Time Invariant Model based Motion Correction (LiMo-Moco) of Dynamic Radial Contrast Enhanced MRI -- Incompressible image registration using divergence-conforming B-splines -- Cardiovascular Imaging -- Direct Quantification for Coronary Artery Stenosis Using Multiview Learning -- Bayesian

Optimization on Large Graphs via a Graph Convolutional Generative Model: Application in Cardiac Model Personalization -- Discriminative Coronary Artery Tracking via 3D CNN in Cardiac CT Angiography -- Multi-modality Whole-Heart and Great Vessel Segmentation in Congenital Heart Disease using Deep Neural Networks and Graph Matching -- Harmonic Balance Techniques in Cardiovascular Fluid Mechanics -- Deep learning within a priori temporal feature spaces for large-scale dynamic MR image reconstruction: Application to 5-D cardiac MR Multitasking -- k-t NEXT: Dynamic MR Image Reconstruction Exploiting Spatio-temporal Correlations -- Model-based reconstruction for highly accelerated first-pass perfusion cardiac MRI -- Learning Shape Priors for Robust Cardiac MR Segmentation from Multi-view images -- Right Ventricle Segmentation in Short-Axis MRI Using A Shape Constrained Dense Connected U-net -- Self-Supervised Learning for Cardiac MR Image Segmentation by Anatomical Position Prediction -- A Fine-Grain Error Map Prediction and Segmentation Quality Assessment Framework for Whole-Heart Segmentation -- Cardiac Segmentation from LGE MRI Using Deep Neural Network Incorporating Shape and Spatial Priors -- Curriculum semi-supervised segmentation -- A Multi-modal Network for Cardiomyopathy Death Risk Prediction with CMR Images and Clinical Information -- 3D Cardiac Shape Prediction with Deep Neural Networks: Simultaneous Use of Images and Patient Metadata -- Discriminative Consistent Domain Generation for Semi-supervised Learning -- Uncertainty-aware Self-ensembling Model for Semi-supervised 3D Left Atrium Segmentation -- MSU-Net: Multiscale Statistical U-Net for Real-time 3D Cardiac MRI Video Segmentation -- The Domain Shift Problem of Medical Image Segmentation and Vendor-Adaptation by Unet-GAN -- Cardiac MRI Segmentation with Strong Anatomical Guarantees -- Decompose-and-Integrate Learning for Multi-class Segmentation in Medical Images -- Missing Slice Imputation in Population CMR Imaging via Conditional Generative Adversarial Nets -- Unsupervised Standard Plane Synthesis in Population Cine MRI via Cycle-Consistent Adversarial Networks -- Data Efficient Unsupervised Domain Adaptation for Cross-Modality Image Segmentation -- Recurrent Aggregation Learning for Multi-View Echocardiographic Sequences Segmentation -- Echocardiography View Classification Using Quality Transfer Star Generative Adversarial Networks -- Dual-view Joint Estimation of Left Ventricular Ejection Fraction with Uncertainty Modelling in Echocardiograms -- Frame Rate Up-Conversion in Echocardiography Using a Conditioned Variational Autoencoder and Generative Adversarial Model -- Annotation-Free Cardiac Vessel Segmentation via Knowledge Transfer from Retinal Images -- DeepAAA: clinically applicable and generalizable detection of abdominal aortic aneurysm using deep learning -- Texture-based classification of significant stenosis in CCTA multi-view images of coronary arteries -- Fourier Spectral Dynamic Data Assimilation: Interlacing CFD with 4D flow MRI -- Quality Control-Driven Image Segmentation Towards Reliable Automatic Image Analysis in Large-Scale Cardiovascular Magnetic Resonance Aortic Cine Imaging -- HFA-Net: 3D Cardiovascular Image Segmentation with Asymmetrical Pooling and Content-Aware Fusion -- Spectral CT based training dataset generation and augmentation for conventional CT vascular segmentation -- Context-Aware Inductive Bias Learning for Vessel Border Detection in Multi-modal Intracoronary Imaging -- Growth, Development, Atrophy and Progression -- Neural parameters estimation for brain tumor growth modeling -- Learning-Guided Infinite Network Atlas Selection for Predicting Longitudinal Brain Network Evolution from a Single Observation -- Deep Probabilistic

Modeling of Glioma Growth -- Surface-Volume Consistent Construction of Longitudinal Atlases for the Early Developing Brains -- Variational Autoencoder for Regression: Application to Brain Aging Analysis -- Early Development of Infant Brain Complex Network -- Revealing Developmental Regionalization of Infant Cerebral Cortex Based on Multiple Cortical Properties -- Continually Modeling Alzheimer's Disease Progression via Deep Multi-Order Preserving Weight Consolidation -- Disease Knowledge Transfer across Neurodegenerative Diseases.

Sommario/riassunto

The six-volume set LNCS 11764, 11765, 11766, 11767, 11768, and 11769 constitutes the refereed proceedings of the 22nd International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2019, held in Shenzhen, China, in October 2019. The 539 revised full papers presented were carefully reviewed and selected from 1730 submissions in a double-blind review process. The papers are organized in the following topical sections: Part I: optical imaging; endoscopy; microscopy. Part II: image segmentation; image registration; cardiovascular imaging; growth, development, atrophy and progression. Part III: neuroimage reconstruction and synthesis; neuroimage segmentation; diffusion weighted magnetic resonance imaging; functional neuroimaging (fMRI); miscellaneous neuroimaging. Part IV: shape; prediction; detection and localization; machine learning; computer-aided diagnosis; image reconstruction and synthesis. Part V: computer assisted interventions; MIC meets CAI. Part VI: computed tomography; X-ray imaging.

2. Record Nr. UNIORUON00092598

Autore	BARCHIESI, Alessandro
Titolo	Il poeta e il principe : Ovidio e il discorso augusteo / Alessandro Barchiesi
Pubbl/distr/stampa	Roma, : Laterza, 1994 xv, 337 p. ; 23 cm
Classificazione	P5
Soggetti	LETTERATURA LATINA - OVIDIO
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr. UNINA9910481124103321

Autore	Arnaldus, de Villanova, -1311
Titolo	De arte cognoscendi venena. Valascus de Tarenta: De epidemia et peste. Petrus de Abano: De venenis eorumque remediis. Matthaeus Silvaticus: De lapide begaar ex pandectis
Pubbl/distr/stampa	Mantua, : Johannes Vurster, fl. 1472-1476, 1473
Descrizione fisica	Online resource (v.)
Lingua di pubblicazione	Latino
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in Biblioteca Nazionale Centrale di Firenze.

4. Record Nr. UNINA9910878978003321

Autore	Rathore Vijay Singh
Titolo	Universal Threats in Expert Applications and Solutions : Proceedings of 3rd UNI-TEAS 2024, Volume 1 / / edited by Vijay Singh Rathore, Joao Manuel R. S. Tavares, B. Surendiran, Anil Yadav
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819738106 9789819738090
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (509 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 1006
Altri autori (Persone)	TavaresJoao Manuel R. S SurendiranB YadavAnil
Disciplina	006.3
Soggetti	Computational intelligence Data protection Artificial intelligence Computational Intelligence Data and Information Security Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Acknowledgements -- About This Book -- Contents -- Editors and Contributors -- An Advanced Algorithm and Utility for Identifying Critical Web Vulnerabilities with Exceptional Performance -- 1 Introduction -- 1.1 Automated Testing Mechanisms -- 1.2 Use of Machine Learning Techniques -- 1.3 Techniques for Reducing Input Data Space -- 1.4 Scanning Tool Development -- 2 Considered Website Vulnerability -- 2.1 SQL Injection -- 2.2 Cross-Site Scripting -- 3 Related Study -- 4 Proposed and Improved Algorithms -- 5 Algorithm for Detecting XSS -- 6 Enhancing Vulnerability Detection through the Application of Machine Learning -- 7 Scanning Tool -- 8 Systematic Flow of GKD Website Scanner -- 9 Conclusion -- References -- Potential Impacts of Online-Based Learning 2.0 and Certification on Employability -- 1 Introduction -- 1.1 Background -- 1.2 Statement of the Problem -- 1.3 Study Rationale -- 1.4 Purpose of This Work --

1.5 Limitations and Scope of the Work -- 1.6 Research Hypothesis -- 2 Research Methodology -- 2.1 The Sample Size of the Work -- 2.2 Data Collection -- 3 Data Analysis, Results, and Discussions -- 3.1 Average Age -- 3.2 Education Background -- 3.3 Employment -- 3.4 Online Certification -- 3.5 Online-Based Certification Availability -- 3.6 Online-Based Certification Acceptance -- 3.7 Online Certification Improves Skill Development -- 3.8 Online-Based Certification Increases Employability -- 3.9 Online Learning Fosters the Development of Reflective and Critical Thinking -- 3.10 Online Education is Useful for a Wide Range of Professions in Many Industries -- 3.11 Online-Based Learning Provides Knowledge as Required -- 3.12 Online Learning is Advantageous for Career Development and Ongoing Education -- 4 Conclusion -- References.
An Intelligent Self-Driving Car's Design and Development, Including Lane Detection Using ROS and Machine Vision Algorithms -- 1 Existing Work -- 2 Proposed System -- 2.1 Mechanical -- 2.2 Electrical -- 2.3 Algorithm and Machine Vision -- 3 Implementation -- 3.1 Canny Edge Detection -- 3.2 Region of Interest -- 3.3 Hough Transform -- 3.4 Average Slope Intercept -- 3.5 Curvature Calculation -- 3.6 Sliding Window Approach -- 4 Results and Discussion -- 5 Conclusion -- References -- Text Summarization for Kannada Text Documents: A Review -- 1 Introduction -- 2 Review of Literature -- 3 Datasets -- 3.1 Kannada Treebank -- 3.2 Kannada-MNIST: A New Handwritten Digit Dataset for the Kannada Language -- 3.3 Samanantar: Parallel Corpora Collection for 11 Indic Languages -- 3.4 MLe2e -- 3.5 IndicCorp -- 4 Evaluation Measures -- 5 Conclusion and Future Works -- References -- Solar Panel Tracking with Battery-Assisted and Battery Charging Modes -- 1 Introduction -- 2 Literature Review -- 3 Methods and Materials -- 3.1 Implementation Using MATLAB -- 3.2 Charging Mode -- 3.3 Discharging Mode -- 4 Results and Discussion -- 4.1 Hardware Implementation -- 5 Conclusion -- References -- Elevator-Based Earth Tremor Sentinel Technique with MQTT Protocol -- 1 Introduction -- 2 Related Work -- 2.1 Perseverance of Artificial Neural Networks (ANN) in Elevators -- 2.2 Purpose of Accelerometer in Elevators -- 2.3 Precedence of MQTT -- 3 Methodology -- 3.1 The Layout of the Proposed Model -- 3.2 Machine Learning Models for Earthquake Detection -- 3.3 Programming an AI Neural Network -- 4 Discussion -- 5 Conclusion -- References -- An Efficient System Model for Identification of Drug Addiction -- 1 Introduction -- 2 Related Work -- 3 Prpopsed Methodology -- 3.1 Attribute Selection -- 3.2 ID3 Algorithm -- 4 Results and Discussion -- 5 Conclusion and Future Scope -- References.
Design and Analysis of a Multipath Routing Protocol to Enhance QoS in MANET -- 1 Introduction -- 2 Literature Survey -- 3 Proposed Work -- 3.1 Proposed Algorithm -- 4 Results Analysis -- 4.1 Simulation Parameters -- 4.2 Packet Sents -- 4.3 Packet Receives -- 4.4 Percentage of Data Receives (PDR) -- 4.5 Normal Routing Load (NRL) -- 5 Conclusion -- References -- Tagging of Uterine Cervix Cases at Cell and Slide Level Through Transfer Learning -- 1 Introduction -- 1.1 Deep Neural Network -- 1.2 Transfer Learning -- 1.3 ResNet50 -- 1.4 Cervical Cancer -- 2 Literature Review -- 3 Material and Method -- 3.1 Data -- 3.2 Methodology -- 4 Result and Analysis -- References -- Estimation of Medical Expenses Using Machine Learning -- 1 Introduction -- 2 Methodology Applied -- 2.1 Dataset -- 2.2 Feature Engineering -- 2.3 Feature Importance Analysis -- 3 Used Models and Algorithms -- 4 Experiment Results -- 5 Conclusion -- Challenges in Making OCR of Gujarati Newspaper -- 1 Introduction -- 2 Review of Literature -- 2.1 Review on Segmentation -- 2.2 Review

on Recognition Text -- 3 Problem in Gujrati Language Newspaper -- 3.1 Scanner Image Quality -- 3.2 Background Noise -- 3.3 Font and Style Variation -- 3.4 Text Size Variation -- 3.5 Complex Ligatures in the Script -- 3.6 Limited Trained Data -- 4 Observation -- 5 Conclusion -- References -- A Hybrid Methodology for Software Development and IT Team Analysis in Manufacturing -- 1 Introduction -- 2 Methods -- 2.1 A Comparison of Project Durations Before and After Model Release -- 2.2 Before and After the Model's Release on DRE -- 2.3 A Comparison of the Costs of Development and Maintenance -- 2.4 Criticality-Based Development to Maintenance Ratio of a Project -- 2.5 A Maintenance Ratio Determined by the Number of Lines of Code -- 3 Conclusion -- References.
AI Enabled Convolutional Neural Networks to Detect Brain Tumors -- 1 Introduction -- 2 Literature Review -- 3 Problem Statement -- 4 Proposed Methodology -- 4.1 Image Database -- 4.2 Data Augmentation with Pre-Processing -- 4.3 Data Split -- 5 Results -- 6 Analysis -- 7 Conclusion -- References -- Increasing Productivity in Software Development Through the Use of Docker Technology -- 1 Introduction of Dockers -- 1.1 Docker -- 1.2 Docker File -- 1.3 Docker Image -- 2 Experiment -- 2.1 Docker Java Image File -- 2.2 Python-Enabled Docker Image File -- 2.3 Comparative Results -- 3 Conclusion -- 4 Future Scope -- References -- Multimodal Fusion-Based Hybrid CRNN Model for Emotion Prediction in Music -- 1 Introduction -- 1.1 Key Contribution -- 2 Article Organization -- 3 Related Work -- 4 Methodology -- 4.1 Data Description -- 4.2 Pre-Processing -- 4.3 Feature Extraction -- 5 Proposed Model -- 5.1 Multimodel Fusion -- 6 Result and Discussion -- 6.1 Experimental Setup for the Proposed System -- 6.2 Implementation Details -- 7 Conclusion -- References -- Multimodal Analysis of Induction Motor Signals for Power Quality Abnormality Detection Using Wavelet-RBF Approach -- 1 Introduction -- 2 Research Contribution -- 3 Proposed Methodology -- 3.1 Wavelet Transform -- 3.2 RBF Neural Networks -- 4 Result Analysis and Discussion -- 4.1 Vibration Analysis Using Sensor and Current Transformer -- 5 Conclusion -- References -- Smart Electronic Speaking Glove for Physically Challenged Person -- 1 Introduction -- 1.1 Research Contribution -- 2 Proposed Methodology -- 3 Implementation and Execution -- 3.1 Hardware Description -- 3.2 Implemented in Proteus Simulation -- 4 Result and Discussion -- 5 Conclusion -- References -- COVID-19 Detection Using Fourier-Bessel Series Expansion-Based Dyadic Decomposition and Custom CNN -- 1 Introduction -- 1.1 Author Contribution.
2 Article Organisation -- 3 Related Work -- 4 Methodology -- 4.1 Data Description -- 4.2 Image Preprocessing -- 4.3 FBD Methodology -- 5 Proposed Model -- 5.1 SMOTETomek -- 5.2 Keras Tunner -- 6 Result and Discussion -- 6.1 Experimental Configuration for the Suggested System -- 7 Conclusion -- References -- Instantaneous Interpretation into Sign Language for the Hearing Impaired -- 1 Introduction -- 1.1 Feature Extraction -- 1.2 NLP -- 1.3 CNN -- 2 Literature Survey -- 2.1 Improvement of Speech -- 2.2 Translation from Speech to Sign Language -- 2.3 Converter from Speech to Sign Language -- 3 Proposed Methodology -- 3.1 Deaf People's Model -- 3.2 Mute People Model -- 4 Analysis by Comparison to the Current Model -- 5 Conclusion -- 6 Future Scope -- References -- A Review of Anomaly Based Multiple Intrusion Detection Methods Using a Feature Based Deep Learning Approach -- 1 Introduction -- 2 Literature Review -- 3 Methodology -- 4 Results and Discussions -- 5 Conclusion -- References -- Correlation of Traditional Technique and ML-Based Technique for Efficient Effort Estimation: In Agile Frameworks -- 1

Introduction -- 2 Related Work -- 2.1 Non-Algorithmic Technique-Based Effort Estimation in Agile -- 2.2 Algorithmic Technique-Based Effort Estimation in Agile -- 2.3 Machine Learning-Based Effort Estimation in Agile -- 3 Research Objective -- 3.1 Research Question -- 3.2 Question Objective -- 4 Research Methodology -- 4.1 (RQ1) What Are the Various Traditional Techniques for Effort Estimation in an Agile Context? -- 4.2 (RQ2) What Are the Different ML Techniques for Effort Estimation in an Agile Context? -- 4.3 (RQ3) Which ML Algorithm Outperformed Among Themselves and What Are the Different Metrics Used to Determine the Accuracy of ML Techniques? -- 5 Results -- 6 Conclusion and Discussion -- References.
NLP-Based Processing of Gujarati Compound Word Sandhi's Generation and Segmentation.

Sommario/riassunto

This book presents high-quality, peer-reviewed papers from 3rd International Conference on “Universal Threats in Expert Applications and Solutions" (UNI-TEAS 2024), jointly being organized by IES University, Bhopal, and Shree KKarni Universe College, Jaipur, in association with CSI Jaipur Chapter and Jaipur ACM Professional Chapter during January 6–9, 2024. The book is a collection of innovative ideas from researchers, scientists, academicians, industry professionals, and students. The book covers a variety of topics, such as expert applications and artificial intelligence/machine learning; advance web technologies such as IoT, big data, cloud computing in expert applications; information and cyber security threats and solutions, multimedia applications in forensics, security and intelligence; advancements in app development; management practices for expert applications; and social and ethical aspects in expert applications through applied sciences.