

Posters with highlights - MIUA 2017

Lightening 2 minutes presentations on Wednesday 12th of July of PAPER POSTERS

- 1) Poster 2: Modelling, Speckle Simulation and Quality Evaluation of Synthetic Ultrasound Images. Prema Singh, Ramakrishnan Mukundan, Rex De Ryke. ([Submission 37](#)) --Theme: Ultrasound imaging
- 2) Poster 4: Multidimensional assessments of abdominal aortic aneurysms by magnetic resonance against ultrasound diameter measurements. Georgios Papanastasiou, Victor Gonzalez-Castro, Calum Gray, Rachael Forsythe, Yolanda Sorgia-Koutraki, Neil Mitchard, David Newby, Scott Semple. ([Submission 60](#)) -- Theme: Cardiovascular imaging
- 3) Poster 5: Comparison of Automatic Vessel Segmentation Techniques for Whole Body Magnetic Resonance Angiography with Limited Ground Truth Data. Andrew McNeil, Giulio Degano, Ian Poole, Graeme Houston, Emanuele Trucco. ([Submission 106](#)) -- Theme: Cardiovascular imaging
- 4) Poster 6: Cardiac Mesh Reconstruction from Sparse, Heterogeneous Contours. Benjamin Villard, Valentina Carapella, Rina Ariga, Vicente Grau, Ernesto Zacur. ([Submission 107](#)) --Theme: Cardiovascular imaging
- 5) Poster 8: Automatic LGE myocardial scar segmentation using mask SLIC supervoxels - Replicating the clinical method. Julia Popescu, Alessandra Borlotti, Erica Dall' Armelina, Vicente Grau. ([Submission 110](#)) --Theme: Cardiovascular imaging
- 6) Poster 10: New level Set Model in Follow-up Radiotherapy Image Analysis. Roushank Rahmat, David Harris-Birtill, Stephen McLaughlin, Bill Nailon, Allan Price. ([Submission 113](#)) - Theme: Oncology imaging
- 7) Poster 11: Topological Analysis of the Vasculature of Angiopoietin-Expressing Tumours through Scale-Space Tracing. Constantino Carlos reyes Aldasoro, Meit Bjondahl, Chryso Kanthou, Gillian Tozer. ([Submission 78](#)) -- Theme: Oncology imaging
- 8) Poster 12: 3D Texton Based Prostate Cancer Detection Using Multiparametric Magnetic Resonance Imaging. Liping Wang, Reyer Zwiggelaar. ([Submission 11](#)) -- Theme: Oncology imaging
- 9) Poster 13: Tumour Segmentation in Whole Slide Images using Persistent Homology and Deep Convolutional Features. Talha Qaiser, Yee-Wah Tsang, David Epstein, Nasir Rajpoot. ([Submission 103](#)) -- Theme: Oncology imaging
- 10) Poster 16: Learning longitudinal MRI patterns by SICE and deep learning: Assessing the Alzheimer's Disease progression. Juan M. Górriz, Francisco Jesús Martínez Murcia, Jorge Munilla, Andrés Ortíz, Javier Ramírez. ([Submission 17](#)) -- Theme: Brain imaging
- 11) Poster 17: Improved reference tracts for unsupervised brain white matter tractography. Susana Muñoz Maniega, Mark E. Bastin, Ian J. Deary, Joanna M. Wardlaw, Jonathan Clayden. ([Submission 59](#)) -- Theme: Brain imaging
- 12) Poster 18: Tree-based ensemble learning techniques in the analysis of Parkinsonian Syndromes. Javier

Ramírez, Manuel Gómez, Andrés Ortíz. ([Submission 28](#)) --Theme: Brain imaging

13) Poster 20: Evaluation of Four Supervised Learning Schemes in White Matter Hyperintensities Segmentation in Absence or Mild Presence of Vascular Pathology. Muhammad Febrian Rachmadi, Maria leonor Agan, Taku Komura, Maria C. Valdes Hernández. ([Submission 50](#)) -- Theme: Brain imaging

14) Poster 23: Evaluation of an Automatic ASPECT Scoring System for Acute Stroke in Non-Contrast CT. Matthew Daykin, Aneta Lisowska, Erin Beveridge, Vismantas Dilys, Keith Muir, Mathini Sellathurai, Ian Poole. ([Submission 83](#)) -- Theme: Brain imaging

15) Poster 24: Pre-processing Techniques for Colour Digital Pathology Image Analysis. Wael Saafin, Gerald Schaefer. ([Submission 92](#)) --Theme: Image enhancement and alignment

16) Poster 25: Finite Element Based Interactive Elastic Image Registration. Yechiel Lamash, Anath Fischer, Jonathan Lessick, Yue Sun, Svitlana Zinger, Sidarto Bambang Oetomo, Peter H.N. de With. ([Submission 18](#)) -- Theme: Image enhancement and alignment

17) Poster 26: Can planning images reduce scatter in follow-up cone-beam CT? Jonathan Mason, Alessandro Perelli, William Nailon, Mike Davies. ([Submission 34](#)) -- Theme: Image enhancement and alignment

18) Poster 27: Deep quantitative liver segmentation and vessel exclusion to assist in liver assessment. Benjamin Irving, Chloe Hutton, Sid Vikal, Marija Mavar, Andrea Dennis, Matt Kelly, J Michael Brady. ([Submission 84](#)) -- Theme: Modelling and segmentation

19) Poster 28: Segmentation of Overlapping Macrophages Using Anglegram Analysis. José Alonso Solís Lemus, Brian Stramer, Greg Slabaugh, Constantino Carlos Reyes Aldasoro. ([Submission 67](#)) -- Theme: Modelling and segmentation

20) Poster 30: A comparison of texture features versus deep learning for image classification in interstitial lung disease. Alison O'Neil, Keith Goatman, Matthew Shepherd, Erin Beveridge. ([Submission 109](#)) -- Theme: Modelling and segmentation

21) Poster 31: A Novel High-Throughput Multispectral Cell Segmentation Algorithm. Jenia Golbstein, Michael Vidne, Gabi Tarcic, Revital Sharivkin, Yaniv Tocker. ([Submission 22](#)) -- Theme: Modelling and segmentation

22) Poster 32: A New Method for Surgical Tracking System Based on Fiducial Marker. Zihian Zhao, Shuaiyifan MA. ([Submission 95](#)) -- Theme: Feature detection and classification

23) Poster 33: Glomerulus classification with Convolutional Neural Networks. Anibal Pedraza, Jaime Gallego, Samuel López, Lucía González, Arvidas, laurinavicius, Maria Gloria Bueno. ([Submission 71](#)) -- Theme: Feature detection and classification

24) Poster 34: Random Forest-based Feature Importance for HEp-2 Cell Image Classification. Vipha Gupta. Amav Bhavsar. ([Submission 49](#)) -- Theme: Feature detection and classification

25) Poster 29: Simultaneous Cell Detection and Classification with an Asymmetric Deep Autoencoder in Bone Marrow Histology Images. Tzu-Hsi Song, Victor Sánchez, Hesham Eldaly, Nasir Rajpoot. ([Submission 112](#)) -- Theme: Feature detection and classification