

Thursday 12th July 11.05-12.00

Poster 46: Video-Based Discomfort Detection for Premature Infants. Yue Sun, Svitlana Zinger, Sidarto Bambang Oetomo, Peter H.N. de With. Eindhoven University of Technology and Maxima Medical Center (The Netherlands)

Poster 48: Fluorescence image guided surgery with a low-latency digital video pipeline. Paul R. Barber, Iain DC Tullis, Davide Volpi, Freddie Hamdy, Ahmed A Ahmed, Borivoj Vojnovic. University of Oxford (Oxford, UK)

Poster 49: Detecting and Defining Signal Dropout in Awake Rodent fMRI. Anish Chhetri and Szu-Han Wang. University of Edinburgh (Edinburgh, UK)

Poster 50: Spatial Gradient of Microstructural Changes in Normal-Appearing White Matter in Tracts Affected by White Matter Hyperintensities. Rozanna Meijboom, Susana Muñoz Maniega, Maria C. Valdés Hernández, Natalie A. Royle, Zoe Morris, John M. Starr, Mark E. Bastin, Ian J. Deary, Joanna M. Wardlaw. University of Edinburgh (Edinburgh, UK)

Poster 51: Edge Preservation Based Multi-Levelset Formulation for Renal Cancer Diagnosis. Arti Taneja, Priya Ranjan, Amit Ujlayan, Rajiv Janardhanan. Amity University and Institute of Information Technology, Uttar Pradesh (India)

Poster 52: An image acquisition and analysis strategy for spatial comparison of ventilation CT with ³He and ¹²⁹Xe MRI. Tahir BA, Hughes PJ, Marshall H, Stewart NJ, Biancardi A, Horn FC, Collier GJ, Norquay G, Hart KA, Swinscoe JA, Hatton MQ, Wild JM, Ireland RH. University of Sheffield (Sheffield, UK)

Poster 53: Reduction of motion blur artifacts in medical digital tomosynthesis (DTS) by incorporating deformable image registration (DIR) scheme. Dongyeon Lee, Uikyue Je, Soyoung Park, Changwoo Seo and Hyosung Cho. Yonsei University (Republic of Korea)

Poster 54: Simulation of in-line phase-contrast computed tomography (PC-CT). Hunwoo Lee, Hyunwoo Lim, Chulkyu Park, Seokyeon Kang and Hyosung Cho. Yonsei University (Republic of Korea)

Poster 55: T1 Dentate Nucleus Signal Intensity Following Multiple Gadoteric acid (Dotarem®)- Enhanced MRI vs Multiple Non-Contrast MRI. L K Young, S Matthew, L McCormick, J Weir-McCall, S J Gandy, J G Houston. University of Dundee (Dundee, UK)

Poster 56: Experimental study for mammography image restoration based on a simple radiographic scattering model. Kyuseok Kim, Chulkyu Park, Guna Kim and Hyosung Cho. Yonsei University (Republic of Korea)

Poster 57: Neuroimaging markers of fatigue: A machine learning study. Maria Goñi, Gordon Waiter, Neil Basu, Alison Murray. University of Aberdeen (Aberdeen, UK)

Poster 58: Global Illumination. Tyler Stroud, Dave Elcock, Gerald Chau, Magnus Wahrenberg, Steven Reynolds, Catalina Tobon-Gomez, Pedro Augusto Gondim Teixeira, Alain Blum and Costas Plakas. TMVSE (Edinburgh, UK) and CHRU (Nancy, France)

Poster 59: Visceral Adipose Tissue and Perirenal Fat Surface Area are Associated with Different Pathological Subtypes of Renal Cell Carcinoma or Oncocytoma. Dario Garcia-Rojo, Marta Capdevila, Angel Prera, Antoni Malet-Munte, Jesus Muñoz-Rodríguez, Mario A. Rosado, Carlos Abad, Eduardo Vicente, Naim Hannaoui, Jose L. Gonzalez-Sala, Arturo Dominguez, Clara Centeno, Younes Fadil, Leticia de Verdonces, Victor Parejo, Paula Planelles, Juan Prats. Universitat Autònoma de Barcelona (Spain)

Poster 60: Compressed-sensing (CS) based image reconstruction in dynamically-collimated interior digital tomosynthesis (iDTS). Soyoung Park, Guna Kim, Uikyue Je, Jeongeun Park and Hyosung Cho. Yonsei University, (Republic of Korea)

Poster 61: Echocardiographic Image Enhancement to Aid the Detection of Wall Motion Abnormalities. Hasmila A. Omar, João Domingos, Mohammad Yaqub, Ross Upton, Paul Leeson and J Alison Noble. University of Oxford (Oxford, UK)

Poster 62: Efficient motion correction for CT perfusion of patients with non-small cell lung cancer. B.W. Papież, D.R. McGowan, R.E. Macpherson, F.V. Gleeson, J.D. Fenwick, G.S. Higgins, Sir M. Brady, J.A. Schnabel. Universities of Oxford, Liverpool, Oxford University Hospitals NHS FT and King's College London (Oxford, Liverpool and London, UK)

Poster 63: Quantitative Measurements of Enlarged Perivascular Spaces in the Brain are associated with Retinal Microvascular Parameters. Lucia Ballerini, Sarah McGrory, Ruggiero Lovreglio, Maria C. Valdés Hernández, Enrico Pellegrini, Tom MacGillivray, Emanuele Trucco, Susana Muñoz Maniega, Ross Henderson, Adele Taylor, Mark E. Bastin, Ian J. Deary and Joanna M. Wardlaw. Universities of Edinburgh and Auckland (New Zealand, UK)

Poster 64: OpenRib. Tyler Stroud, Catalina Tobon-Gomez, John Cameron, Dave Elcock, Andrew Murray, Daniel Wyeth, Chris Conway, Steven Reynolds, Pedro Augusto Gondim Teixeira, Alain Blum and Costas Plakas. TMVSE (Edinburgh, UK) and CHRU (Nancy, France)

Poster 65: Multi-modal retinal scanning for diagnostic and therapeutic biomarker discovery in Multiple Sclerosis. Thomas Pearson, Baljean Dhillon, Siddharthan Chandran, and Tom McGillivray. University of Edinburgh (Edinburgh, UK)

Tuesday 11th July and Thursday 13th July

Poster 40: Initial Results of Multilevel Principal Components Analysis of Facial Shape. Damian Farnell, Jennifer Galloway, Alexei Zhurov, Stephen Richmond, Visnja Katic, Pertti Pirttiniemi, Cardiff University (UK), University of Oulu (Finland)

Poster 41: Estimating rodent brain volume by a deformable contour model. Julio Camacho-Cañamón, Maria J. Carreira, Pedro Antonio Gutiérrez, Ramon Iglesias-Rey, University of Cordoba, Universidade de Santiago de Compostela, Xunta de Galicia (Spain)

Poster 42: Model-based Correction of Segmentation Errors in Digitised Histological Images. David Randell, Antony Galton, Shereen Fouad, Hisham Mehanna, Gabriel Landini, University of Birmingham, University of Exeter (UK)

Poster 43: A non-integer step index PCNN model and its applications. Yide Ma, Zhen Yang, Yanan Guo, Xiaonan Gong, Lanzhou University (China)

Poster 44: New Disagreement Metrics Incorporating Spatial Detail - Applications to Lung Imaging. Alberto Biancardi, Jim Wild, The University of Sheffield (UK)

Poster 45: Unsupervised Segmentation of Cervical Cell Nuclei via Adaptive Clustering. Srishti Gautam, Krati Gupta, Arnav Bhavsar, Anil Sao, IIT Mandi (India)

Poster 47: SIFT Key-Points for Lung Tumor Detection in PET/CT Images. Marlies Nitschke, Tian Jian, Siming Bayer, Qiushi Ren, Andreas Maier, Friedrich-Alexander Universität Erlangen-Nürnberg (Germany), Peking University (China)

Thursday 13th July

Poster 66: Multi-scale tree-based modelling for the classification of benign and malignant micro-calcifications. Zobia Suhail, Erika Denton, Reyer Zwiggelaar, Aberystwyth University (UK)

Poster 67: Video-Based Discomfort Detection for Premature Infants. Yue Sun, Svitlana Zinger, Sidarto Bambang Oetomo, Peter H. N. de With, Eindhoven University of Technology, Maxima Medical Centre (The Netherlands)

Poster 68: An Integrated Multi-scale Model for Breast Cancer Histopathological Image Classification with Colour-texture Features. Vibha Gupta, Arnav Bhavsar, IIT Mandi (India)