

Poster only presentations

Tuesday 11th July and Wednesday 12th July

Poster 1: Diagnosis of metastatic cervical lymph nodes from thyroid carcinoma using a deep learning architecture with the point-wise gated Boltzmann machine, Qi Zhang, Shanghai University (China)

Poster 3: Tissues Classification of the Cardiovascular System using Texture Descriptors. Claudia Mazo, Enrique Alegre, Maria Trujillo, Victor Gonzalez Castro, Universidad del Valle, Universidad de Leon (Spain)

~~Poster 7: Segmentation of Abdominal Aortic Aneurysm (AAA) Based on Topology Prior Model. Safa Salahat, Khalifa University (United Arab Emirates) and presented by Bilal Taha, Khalifa University (United Arab Emirates)~~ **WITHDRAWN**

~~Poster 9: Classification of Cervical Cancer using Pap smear Images: A Convolutional Neural Network Approach. Bilal Taha, Jorge Dias, Naoufel Werghi, Khalifa University (United Arab Emirates)~~ **WITHDRAWN**

Poster 14: Multispectral biopsy image based colorectal tumor grader. Suchithra Kunhoth, Somaya Maadeed, Qatar University (Qatar)

Poster 15: A texton-based approach for the classification of benign and malignant masses in mammograms, Zobia Suhail, Azam Hamidinekoo, Erika R. E. Denton, Reyer Zwiggelaar, Aberystwyth University (UK)

Poster 19: A Deep Learning Pipeline to Delineate Proliferative Areas of Intracranial Tumors in Digital Slides. Zaneta Swiderska-Chadaj, Tomasz Markiewicz, Bartlomiej Grala, Arkadiusz Gertych, Warsaw University of Technology (Poland)

Poster 22: Feature Extraction and Classification to Diagnose Hypoxic-Ischemic Encephalopathy Patients by Using Susceptibility-Weighted MRI Images. Sisi Wu, Sasan Mahmoodi, Angela Darekar, Brigitte Vollmer, Emma Lewis, Maria Liljeroth, University of Southampton (UK)

Poster 35: Paediatric Frontal Chest Radiograph Screening with fine-tuned Convolutional Neural Networks. Jonathan Gerrand, Quentin Williams, Dalton Lunga, Adam Pantanowitz, Shabir Madhi, Nasreen Mahomed, Council for Scientific and Industrial Research (CSIR), University of Witwatersrand, National Institute for Communicable Diseases (South Africa)

Poster 36: Cervical Nuclei Classification: Feature Engineering versus Deep Belief Network. Christoph Rasche, Ciprian Tiganesteanu, Mihai Neghina, University Politehnica of Bucharest, (Romania)

Poster 38: Fetoscopic Panorama Reconstruction: Moving from Ex-Vivo to In-Vivo. Floris Gaisser, Suzanne Peeters, Boris Lenseigne, Pieter Jonker, Dick Oepkes, Delft University of Technology (The Netherlands)

Poster 39: Significance of Magnetic Resonance Image Details in Sparse Representation Based Super Resolution. Prabhjot Kaur, Srimanta Mandal, Anil Sao, IIT Mandi (India), **Presented by Arnav Bhavsar, IIT Mandi (India)**

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)