

Saturday - October 3rd



16th International Symposium
on Medical Information
Processing and Analysis |
Virtual Meeting

	Peru Time (UTC-5)
	9:00
Opening remarks	
Keynote Talk Chair: Dr. Marius Linguraru	9:15
Keynote: Dr. Stephen R. Aylward MONAI Talk: "Open Source for the Challenges of Medical Imaging AI"	
Coffee break	
MICCAI Clinical Workshop	10:15
Speaker: Walter Curioso Talk: "AI in medicine and opportunities in the Peruvian context"	
MICCAI Clinical Workshop	11:00
Speaker: Javier Jo Talk: "Computer aided detection applied to mouth and skin cancer"	
Lunch	
Brain Imaging I Chair: Dr. Leticia Rittner	12:00
Unsupervised domain adaptation via CycleGAN for white matter hyperintensity segmentation in multicenter MR images Presenter: Julian Alberto Palladino. Universidad de Buenos Aires, Buenos Aires, Argentina.	
Accurate brain age prediction using recurrent slice-based networks Presenter: Pradeep Lam. University of Southern California, CA, USA.	
Patch-based surface morphometry feature selection with federated group lasso regression Presenter: Jianfeng Wu. Arizona State University, Arizona, USA.	
Cross-sectional exploration of local spatial arrangements in brain magnetic resonance in healthy and Alzheimer subjects. Presenter: Miguel Adolfo Caro. Universidad Nacional de Colombia, Bogotá, Colombia.	
Brain Imaging I - Q&A and virtual coffee	
Deep Learning Chair: Dr. Prateek Prasanna	12:30
Deep transfer learning of brain shape morphometry predicts Body Mass Index (BMI) in the UK Biobank Presenters: Ling-Li Zeng and Christopher Ching. University of Southern California, CA, USA.	
Deep-learning based tractography for neonates: a preliminary study Presenter: Sovan Mukherjee. University of Southern California, CA, USA.	
Deep learning architectures for the analysis and classification of brain tumors in MR images Presenter: Alexander Osorio Barone. Universidad Tecnológica de Bolívar, Cartagena, Colombia.	
Deep learning for coronary artery segmentation in x-ray angiograms using a patch-based training Presenter: Fernando Cervantes. Centro de Investigación en Matemáticas, Guanajuato, México.	
Deep Learning - Q&A and virtual coffee	
Keynote Talk Chair: Dr. Eduardo Romero	13:30
Keynote: Dr. Fabian Emura Talk: "Complete Photodocumentation of the Upper GI Tract: the Fulfillment of an ASGE Quality Recommendation and the Foundation of an AI Platform to Ensure Completeness of Esophagogastroduodenoscopy"	
Ocular and Body Imaging Chair: Dr. Angel Cruz	14:00
Segmentation of retinal fluids and hyperreflective foci using deep learning approach in optical coherence tomography scans Presenter: Yeison David Sánchez. Universidad Nacional de Colombia, Bogotá, Colombia.	
Segmentation of exudates in fundus images applying color mathematical morphology Presenters: Agustina Bouchet and Virginia Ballarin. Universidad Nacional del Mar de Plata, Buenos Aires, Argentina	
Low-limb muscles segmentation in 3D freehand ultrasound using non-learning methods and label transfer Presenter: Vanessa Gonzalez. French National Centre for Scientific Research, Nantes, France.	
Noise characterization in histopathological images: a processing step to improve nuclei segmentation methods Presenter: Christian Arias. Universidad Nacional de Colombia, Bogotá, Colombia.	
Ocular and Body Imaging - Q&A and virtual coffee	
E-health and AI Chair: Dr. Niharika Gajawelli	15:00
Quantitative CT perfusion: Does CT dose and vascular flow rate affect measures of parametric maps? Presenter: Bino Varghese. University of Southern California, CA, USA.	
Comparison of machine learning models for the prediction of cancer cells using MHC class I complexes Presenter: Mateo Navas. Universidad del Rosario, Bogotá, Colombia.	
A perceptive watermarking approach applied to COVID-19 imaging data Presenter: Ernesto Moya. Universidad Panamericana, Ciudad de México, México.	
3D printing novel PPE for response to COVID-19 related shortages Presenters: Brandon Fields and Darryl Hwang. University of Southern California, CA, USA.	
E-health and AI - Q&A and virtual coffee	
SIPAIM 2020 - Cultural Event	
	16:00
	16:30
	18:00