

# DALI: Workshop on Data Augmentation, Labeling and Imperfections

Held in conjunction with MICCAI 2022 conference

September 22, 2022, 8:00am-3:00pm SGT, Room Aquarius 1

## Program

SGT	Topic
8:00-8:05am	Welcome and Introduction
Paper Session I 8:05-8:50am	
8:05-8:16	Image Synthesis-based Late Stage Cancer Augmentation and Semi-Supervised Segmentation for MRI Rectal Cancer Staging. <i>Saeko Sasuga, Akira Kudo, Yoshiro Kitamura, Satoshi Iizuka, Edgar Simo-Serra, Atsushi Hamabe, Masayuki Ishii, and Ichiro Takemasa</i>
8:16-8:27	Few-Shot Learning Geometric Ensemble for Multi-label Classification of Chest X-rays. <i>Dana Moukheiber, Saurabh Mahindre, Lama Moukheiber, Mira Moukheiber, Song Wang, Chunwei Ma, George Shih, Yifan Peng, and Mingchen Gao</i>
8:27-8:38	Long-Tailed Classification of Thorax Diseases on Chest X-Ray: A New Benchmark Study. <i>Gregory Holste, Song Wang, Ziyu Jiang, Thomas C. Shen, George Shih, Ronald M. Summers, Yifan Peng, and Zhangyang Wang</i>
8:38-8:49	Lesser of Two Evils Improves Learning in the Context of Cortical Thickness Estimation Models - Choose Wisely. <i>Filip Rusak, Rodrigo Santa Cruz, Elliot Smith, Jurgen Fripp, Clinton Fookes, Pierrick Bourgeat, and Andrew P. Bradley</i>
Keynote I 8:50-9:30am	Keynote talk by Dr. Yefeng Zheng

<p>Keynote II</p> <p>9:30-10:00am</p>	<p>Keynote talk by Dr. Zhen Li and winning teams of the AMOS 2022 challenge</p>
<p>Coffee Break</p> <p>10:00-10:10am</p>	
<p>Paper Session II</p> <p>10:10-10:55am</p>	
<p>10:10-10:21</p>	<p>TAAL: Test-time Augmentation for Active Learning in Medical Image Segmentation. <i>Melanie Gaillochet, Christian Desrosiers, and Herve Lombaert</i></p>
<p>10:21-10:32</p>	<p>Disentangling A Single MR Modality. <i>Lianrui Zuo, Yihao Liu, Yuan Xue, Shuo Han, Murat Bilgel, Susan M. Resnick, Jerry L. Prince, and Aaron Carass</i></p>
<p>10:32-10:43</p>	<p>CTooth+: A Large-scale Dental Cone Beam Computed Tomography Dataset and Benchmark for Tooth Volume Segmentation. <i>Weiwei Cui, Yaqi Wang, Yilong Li, Dan Song, Xingyong Zuo, Jiaojiao Wang, Yifan Zhang, Huiyu Zhou, Bung san Chong, Liaoyuan Zeng, and Qianni Zhang</i></p>
<p>10:43-10:54</p>	<p>Noisy Label Classification using Label Noise Selection with Test-Time Augmentation Cross-Entropy and NoiseMix Learning. <i>Hansang Lee, Haeil Lee, Helen Hong, and Junmo Kim</i></p>
<p>Paper Session III</p> <p>10:55-11:40pm</p>	
<p>10:55-11:06</p>	<p>CSGAN: Synthesis-Aided Brain MRI Segmentation on 6-Month Infants. <i>Xin Tang, Jiadong Zhang, Yongsheng Pan, Yuyao Zhang, and Feng Shi</i></p>
<p>11:06-11:17</p>	<p>A Stratified Cascaded Approach for Brain Tumor Segmentation with the Aid of Multi-modal Synthetic Data. <i>Yasmina Al Khalil, Aymen Ayaz, Cristian Lorenz, Jurgen Weese, Josien Pluim, and Marcel Breeuwer</i></p>

11:17-11:28	Efficient Medical Image Assessment via Self-supervised Learning. <i>Chun-Yin Huang, Qi Lei, and Xiaoxiao Li</i>
11:28-11:39	DeepEdit: Deep Editable Learning for Interactive Segmentation of 3D Medical Images. <i>Andres Diaz-Pinto, Pritesh Mehta, Sachidanand Alle, Muhammad Asad, Richard Brown, Vishwesh Nath, Alvin Ihsani, Michela Antonelli, Daniel Palkovics, Csaba Pinter, Ron Alkalay, Steve Pieper, Holger R. Roth, Daguang Xu, Prerna Dogra, Tom Vercauteren, Andrew Feng, Abood Quraini, Sebastien Ourselin, and M. Jorge Cardoso</i>
Lunch Break 11:40am-12:05pm	
Keynote III 12:05-12:45pm	Keynote talk by Dr. Daniel Rückert
Keynote IV 12:45-1:25pm	Keynote talk by Dr. Ehsan Adeli
Coffee Break 1:25-1:35pm	
Keynote V 1:35-2:15pm	Keynote talk by Dr. Vishal Patel
Panel Discussion 2:15-2:55pm	Panelists: Dr. Chen (Cherise) Chen Dr. Kelvin Wong Dr. Lequan Yu
2:55-3:00pm	Award announcement and wrap-up