CLINICCAI 2022

2ND CONFERENCE ON CLINICAL TRANSLATION OF MEDICAL IMAGE COMPUTING & COMPUTER ASSISTED INTERVENTION

September 18-22, 2022 • Resorts World Convention Centre Singapore

Room : Virgo 1-2-3

SEPTEMBER 20, TUESDAY

START	END	CLINICCAI	TITLE	PRESENTER
8:00	8:15	Opening		
8:15	8:30	Oral Session 1: Radiology	Deep-Learning-Based Microbleeds Detection For Cerebral Small Vessel Disease On Quantitative Susceptibility Mapping	Peng Xia
8:30	8:45		An Automated Approach For Ai Model Validation On Sub Cohort Analyses To Assess For Biases	Brian Ayers
8:45	9:00		Risk Assessment After Myocardial Infarction Using Automated Left Ventricular Shape Analysis Vs Myocardial Strains	Jorge Corral Acero
9:00	9:15		Multi-Center Evaluation Of Machine Learning Models For Predicting Neo-Adjuvant Chemotherapy Response In Breast Cancer	Hong Qi Tan
9:15	9:30		Feature Translation Between Cone Beam And Fan Beam Computed Tomography Scans Using Cycle Consistent Generative Adversarial Networks	Zheng Yi Ho
9:30	9:45	Short Break		
9:45	10:00	Oral Session 2: Surgery	Multicentric Validation Of A Laparoscopic Roux-En-Y Gastric Bypass Surgery Ontology	Joël L. Lavanchy
10:00	10:15		Bringing Surgical Artificial Intelligence To End-Users: Development Of A Platform For Live Intraoperative Inference	Amin Madani
10:15	10:30		Video Assessment As A Tool To Analyze Surgical Technique: Catheter Insertion During Routine Intra-Operative Cholangiogram In An Academic Setting	Monika E Hagen
10:30	10:45		Pulmonary Artery Detection In Thoracic Surgery Using Conditional Adversarial Networks	Arian Mansur
10:45	11:00		Detecting Bias In Artificial Intelligence Models For Surgical Videos: Is The Model Predicting True Anatomy Or Simply Following Surgical Instruments?	Amin Madani
11:00	11:30	Coffee Break		
11:30	12:30	Keynote - Dinggang Shen Full-Stack, Full-Spectrum AI in Medical Imaging		
12:30	12:40	EIA (Enduring Impact Award)		
12:40	13:30	Lunch Break		
13:30	13:45	Oral Session 3: Miscellaneous	Digital Quantification Of Surgical Expertise & Training Through Full-Body Kinematics And Time Series Clustering	Amr Nimer
13:45	14:00		Automated Anonymization Of Robotic Surgical Video Data Using Deep Learning	Pieter De Backer
14:00	14:15		Towards Automatic Detection In Pancreatic Eus: An Assessment Of Deep Learning Methods	Julieta Montanelli
14:15	14:30		Abdominal Organ Segmentation In Minimally-Invasive Surgery – Presenting The Dresden Surgical Anatomy Dataset	Fiona Kolbinger
14:30	15:00	Coffee Break		
15:00	16:00	Cliniccai Keynote: Inti Zlobec - Tissue Medicine Goes Digital		
16:00	16:15	Oral Session 4: Pathology	Real-World Evaluation Of A Semi-Supervised Artificial-Intelligence Model Trained On 185,412 Cells For Identification Of White Blood Cells	Bingwen Eugene Fan
16:15	16:30		Determining The Effect Of Ai Assistance When Scoring Ki-67 On Sarcomas	Logaswari M
16:30	16:45		Ai-Powered, Biomarker-Free Activated T Cells Quantification At Single-Cell Level: Proof-Of-Concept For Cell Therapy And Diagnostic Tool For T Cells Immunity	Chan Way Ng
16:45	17:00		Deep Learning Predicts Somatic Brca 1/2 Genes Mutational Status From Histopathology Of Epithelial Ovarian Cancer: A Hypothesis Generating Study	Maria Teresa Giudice
17:00	17:15		Spatial Analysis Using Morphology-Transcriptome-Defined Cell Phenotypes With Machine Learning	Mai Chan Lau
17:15	17:30		Ai-Powered Tumor Infiltrating Lymphocytes Scoring: Is There A Potential For Cross-Cancer Type Validation?	Felicia Wee
17:30	18:15	Panel Discussion		
18:15	18:30	Award & Closing		
19:00	23:00	Gala Dinner		

Time Zone (GMT+8)