

CBMS 2022

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Technical Committee on
Computational Life Sciences



UNIVERSITY OF
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CBMS 2022 ARRANGEMENT (TimeZone: Asia (Beijing), UTC+8)

Overview

DAY 1 (21 July)

The meeting will begin in the afternoon		
ROOM 1		
02:00p.m.-02:40p.m.	OPENING	
02:40p.m.-03:30p.m.	KEYNOTE SPEECH	
BREAK		
SESSION 1	ROOM 1	ROOM 2
03:45p.m.-04:00p.m.	74	75
04:00p.m.-04:15p.m.	80	36
04:15p.m.-04:30p.m.	94	112
BREAK		
SESSION 2	ROOM 1	ROOM 2
04:45p.m.-05:00p.m.	52	118
05:00p.m.-05:15p.m.	98	123
05:15p.m.-05:30p.m.	16	72
BREAK		

DAY 2 (22 July)

SESSION 3	ROOM 1	ROOM 2
09:30a.m.-09:45a.m.	53	129
09:45a.m.-10:00a.m.	58	103
10:00a.m.-10:15a.m.	65	73
10:15a.m.-10:30a.m.	106	116
BREAK		
SESSION 4	ROOM 1	ROOM 2
10:45a.m.-11:00a.m.	97	66
11:00a.m.-11:15a.m.	9	19
11:15a.m.-11:30a.m.	28	15
11:30a.m.-11:45a.m.	41	48
LUNCH BREAK		
ROOM 1		
02:00p.m.-02:50p.m.	KEYNOTE SPEECH	
BREAK		
SESSION 5	ROOM 1	ROOM 2
03:00p.m.-03:15p.m.	77	120
03:15p.m.-03:30p.m.	76	126
03:30p.m.-03:45p.m.	110	59
03:45p.m.-04:00p.m.	18	51
BREAK		
SESSION 6	ROOM 1	ROOM 2
04:15p.m.-04:30p.m.	102	127
04:30p.m.-04:45p.m.	68	37
04:45p.m.-05:00p.m.	79	107
BREAK		
SESSION 7	ROOM 1	ROOM 2
05:15p.m.-05:30p.m.	40	85
05:30p.m.-05:45p.m.	39	82
05:45p.m.-06:00p.m.	69	121
BREAK		

DAY 3 (23 July)

SESSION 8	ROOM 1	ROOM 2
09:30a.m.-09:45a.m.	109	90
09:45a.m.-10:00a.m.	44	54
10:00a.m.-10:15a.m.	35	27
BREAK		
SESSION 9	ROOM 1	ROOM 2
10:30a.m.-10:45a.m.	43	119
10:45a.m.-11:00a.m.	114	86
11:00a.m.-11:15a.m.	117	17
BREAK		
SESSION 10	ROOM 1	ROOM 2
11:30a.m.-11:45a.m.	128	23
11:45a.m.-12:00p.m.	83	38
12:00p.m.-12:15p.m.	14	29
LUNCH BREAK		
ROOM 1		
02:00p.m.-02:50p.m.	KEYNOTE SPEECH	
BREAK		
SESSION 11	ROOM 1	ROOM 2
03:00p.m.-03:15p.m.	56	10
03:15p.m.-03:30p.m.	88	81
03:30p.m.-03:45p.m.	70	4
BREAK		
SESSION 12	ROOM 1	ROOM 2
04:00p.m.-04:15p.m.	105	34
04:15p.m.-04:30p.m.	25	67
04:30p.m.-04:45p.m.	50	89
BREAK		
SESSION 13	ROOM 1	ROOM 2
05:00p.m.-05:15p.m.	46	
05:15p.m.-05:30p.m.	55	Nothing
05:30p.m.-05:45p.m.	115	
05:45p.m.-06:00p.m.	71	
ROOM 1		
06:05p.m.-06:15p.m.	Award & Closing Ceremony	

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CBMS 2022 ARRANGEMENT (TimeZone: USA (New York), UTC-4)

Overview

DAY 1 (21 July)

ROOM 1		
02:00a.m.-02:40a.m.	OPENING	
02:40a.m.-03:30a.m.	KEYNOTE SPEECH	
BREAK		
SESSION 1	ROOM 1	ROOM 2
03:45a.m.-04:00a.m.	74	75
04:00a.m.-04:15a.m.	80	36
04:15a.m.-04:30a.m.	94	112
BREAK		
SESSION 2	ROOM 1	ROOM 2
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BREAK		
SESSION 4	ROOM 1	ROOM 2
10:45p.m.-11:00p.m.	97	66
11:00p.m.-11:15p.m.	9	19
11:15p.m.-11:30p.m.	28	15
11:30p.m.-11:45p.m.	41	48
BREAK		

DAY 2 (22 July)

ROOM 1		
02:00a.m.-02:50a.m.	KEYNOTE SPEECH	
BREAK		
SESSION 5	ROOM 1	ROOM 2
03:00a.m.-03:15a.m.	77	120
03:15a.m.-03:30a.m.	76	126
03:30a.m.-03:45a.m.	110	59
03:45a.m.-04:00a.m.	18	51
BREAK		
SESSION 6	ROOM 1	ROOM 2
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BREAK		
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BREAK		
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10:45p.m.-11:00p.m.	114	86
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BREAK		
SESSION 10	ROOM 1	ROOM 2
11:30p.m.-11:45p.m.	128	23
11:45p.m.-12:00a.m.	83	38
(next day)	14	29

DAY 3 (23 July)

ROOM 1		
02:00a.m.-02:50a.m.	KEYNOTE SPEECH	
BREAK		
SESSION 11	ROOM 1	ROOM 2
03:00a.m.-03:15a.m.	56	10
03:15a.m.-03:30a.m.	88	81
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BREAK		
SESSION 12	ROOM 1	ROOM 2
04:00a.m.-04:15a.m.	105	34
04:15a.m.-04:30a.m.	25	67
04:30a.m.-04:45a.m.	50	89
BREAK		
SESSION 13	ROOM 1	ROOM 2
05:00a.m.-05:15a.m.	46	
05:15a.m.-05:30a.m.	55	Nothing
05:30a.m.-05:45a.m.	115	
05:45a.m.-06:00a.m.	71	
ROOM 1		
06:05a.m.-06:15a.m.	Award & Closing Ceremony	

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12:00a.m.-12:15a.m.

BREAK

CBMS 2022 ARRANGEMENT (TimeZone: Europe (Madrid), UTC+2)

Overview

DAY 1 (21 July)

ROOM 1		
08:00a.m.-08:40a.m.	OPENING	
08:40a.m.-09:30a.m.	KEYNOTE SPEECH	
BREAK		
SESSION 1	ROOM 1	ROOM 2
09:45a.m.-10:00a.m.	74	75
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DAY 2 (22 July)

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ROOM 1		
08:00a.m.-08:50a.m.	KEYNOTE SPEECH	
BREAK		
SESSION 5	ROOM 1	ROOM 2
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10:15a.m.-10:30a.m.	25	67
10:30a.m.-10:45a.m.	50	89
BREAK		
SESSION 13	ROOM 1	ROOM 2
11:00a.m.-11:15a.m.	46	Nothing

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BREAK

11:15a.m.-11:30a.m.	55
11:30a.m.-11:45a.m.	115
11:45a.m.-12:00p.m.	71

ROOM 1

12:05p.m.-12:15p.m.	Award & Closing Ceremony
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Detail List

Day 1 (July 21)								
Room 1				Room 2				Time
Session	Number	Authors	Title	Session	Number	Authors	Title	
Opening chair: Linlin Shen			Opening				(Please joint Room 1 for Opening)	02:00p.m.-02:40p.m. (21 July) (UTC+8)
			TCCLS PhD thesis award					02:00a.m.-02:40a.m. (21 July) (UTC-4)
			PC Chairs introduction					08:00a.m.-08:40a.m. (21 July) (UTC+2)
Keynote chair: Linlin Shen		Dinggang Shen	Keynote Speech 1				(Please joint Room 1 for Keynote)	02:40p.m.-03:30p.m. (21 July) (UTC+8)
								02:40a.m.-03:30a.m. (21 July) (UTC-4)
								08:40a.m.-09:30a.m. (21 July) (UTC+2)
Session 1 Chair: Lucia Prieto Santamaria	74	Athanasios Lagopoulos et. al.	Measuring the Left Ventricular Ejection Fraction using Geometric Features	Session 1 Chair: Joel Arrais	75	César Antonio Ortiz-Toro et. al.	Textural features for automatic detection and categorisation of pneumonia in chest X-ray images	03:45p.m.-04:00p.m. (21 July) (UTC+8)
								03:45a.m.-04:00a.m. (21 July) (UTC-4)
								09:45a.m.-10:00a.m. (21 July) (UTC+2)
	80	Adrián Ayuso Muñoz et. al.	REDIRECTION: Generating drug repurposing hypotheses using link prediction with DISNET data		36	Carlotta Masciocchi et. al.	Federated Cox's Proportional Hazards Model with multicentric privacy-preserving LASSO feature selection for survival analysis in the perspective of personalized medicine	04:00p.m.-04:15p.m. (21 July) (UTC+8)
								04:00a.m.-04:15a.m. (21 July) (UTC-4)
								10:00a.m.-10:15a.m. (21 July) (UTC+2)
	94	Oswaldo Solarte-Pabón et. al.	Deep learning to extract Breast Cancer diagnosis concepts		112	Lena Mondrejevski et. al.	FLICU: A Federated Learning Workflow for Intensive Care Unit Mortality Prediction	04:15p.m.-04:30p.m. (21 July) (UTC+8)
								04:15a.m.-04:30a.m. (21 July) (UTC-4)
								10:15a.m.-10:30a.m. (21 July) (UTC+2)

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Session 2 Chair: Lucia Prieto Santamaria	52	Andrea Storås et. al.	Predicting tacrolimus exposure in kidney transplanted patients using machine learning	Session 2 Chair: Joel Arrais	118	Jens Scheible et. al.	Generic concept for integrating voice assistance into smart therapeutic interventions	04:45p.m.-05:00p.m. (21 July) (UTC+8) 04:45a.m.-05:00a.m. (21 July) (UTC-4) 10:45a.m.-11:00a.m. (21 July) (UTC+2)
	98	Felicia Jacobsen et. al.	Estimating Predictive Uncertainty in Gastrointestinal Polyp Segmentation		123	João Rafael Almeida et. al.	Combining heterogeneous patient-level data into tranSMART to support multicentre studies	05:00p.m.-05:15p.m. (21 July) (UTC+8) 05:00a.m.-05:15a.m. (21 July) (UTC-4) 11:00a.m.-11:15a.m. (21 July) (UTC+2)
	16	Qin Zhan et. al.	A novel CNN model with dense connectivity and attention mechanism for arrhythmia classification		72	Jan Andre Fagereng et. al.	PolypConnect: Image inpainting for generating realistic gastrointestinal tract images with polyps	05:15p.m.-05:30p.m. (21 July) (UTC+8) 05:15a.m.-05:30a.m. (21 July) (UTC-4) 11:15a.m.-11:30a.m. (21 July) (UTC+2)

Day 2 (July 22)

Session 3 Chair: Jingxing Liu	53	Marcos Bedo et. al.	WiaSpine: A CBIR environment with embedded radiomic features to assess fragility fractures	Session 3 Chair: Weicheng Xie	129	Jason Tran et. al.	Deep Learning Based Multi-Label Prediction of Hospitalization for COVID-19 Cases	09:30a.m.-09:45a.m. (22 July) (UTC+8) 09:30p.m.-09:45p.m. (21 July) (UTC-4) 03:30a.m.-03:45a.m. (22 July) (UTC+2)
	58	Jonathan Ramos et. al.	Analysis of vertebrae without fracture on spine MRI to assess bone fragility: A Comparison of Traditional Machine Learning and Deep Learning		103	Alberto Labrada et. al.	Breast Cancer Diagnosis from Histopathology Images using Supervised Classifiers	09:45a.m.-10:00a.m. (22 July) (UTC+8) 09:45p.m.-10:00p.m. (21 July) (UTC-4) 03:45a.m.-04:00a.m. (22 July) (UTC+2)
	65	Caroline B. Gonçalves et. al.	CNN optimization using surrogate evolutionary algorithm for breast cancer detection using infrared images		73	Steven Hogue et. al.	Study of Vocal Muscle Strain with Skin Deformation Tracking System	10:00a.m.-10:15a.m. (22 July) (UTC+8) 10:00p.m.-10:15p.m. (21 July) (UTC-4) 04:00a.m.-04:15a.m. (22 July) (UTC+2)
	106	Juliana Wolf Pereira et. al.	Hyperparameter for Deep Learning Applied in Mammogram Image Classification		116	Ryan Sledzik et. al.	Focal Loss Improves Performance of High-Sensitivity C-Reactive Protein Imbalanced Classification	10:15a.m.-10:30a.m. (22 July) (UTC+8) 10:15p.m.-10:30p.m. (21 July) (UTC-4) 04:15a.m.-04:30a.m. (22 July) (UTC+2)

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Session 4 Chair: Huisi Wu	97	Md. Kawsher Mahbub et. al.	MobApp4InfectiousDisease: Classify Covid-19, Pneumonia, and Tuberculosis	Session 4 Chair: Feng Liu	66	Jian Lei et. al.	Ultrasonic Carotid Blood Flow Velocimetry Based on Deep Complex Neural Network	10:45a.m.-11:00a.m. (22 July) (UTC+8) 10:45p.m.-11:00p.m. (21 July) (UTC-4) 04:45a.m.-05:00a.m. (22 July) (UTC+2)
	9	Zefan Yang et. al.	Graph-based Regional Feature Enhancing for Abdominal Multi-Organ Segmentation in CT		19	Shuo Liu et. al.	Dual Fusion Mass Detector for Mammogram Mass Detection	11:00a.m.-11:15a.m. (22 July) (UTC+8) 11:00p.m.-11:15p.m. (21 July) (UTC-4) 05:00a.m.-05:15a.m. (22 July) (UTC+2)
	28	Yanmei Chen et. al.	TSEUnet: A 3D neural network with fused Transformer and SE-Attention for brain tumor segmentation		15	Junhao Zhu et. al.	ECG heartbeat classification based on combined features extracted by PCA, KPCA, AKPCA and DWT	11:15a.m.-11:30a.m. (22 July) (UTC+8) 11:15p.m.-11:30p.m. (21 July) (UTC-4) 05:15a.m.-05:30a.m. (22 July) (UTC+2)
	41	Xiaoting Huang et. al.	Left and Right Ventricular Segmentation Based on 3D Region-Aware U-Net		48	Yunlong Ye et. al.	A goal-driven approach for clinical decision conflict detection and it's application to the treatment of multimorbidity	11:30a.m.-11:45a.m. (22 July) (UTC+8) 11:30p.m.-11:45p.m. (21 July) (UTC-4) 05:30a.m.-05:45a.m. (22 July) (UTC+2)
Keynote Chair: Zhihui Lai		Yi Pan	Keynote Speech 2				(Please joint Room 1 for Keynote)	02:00p.m.-02:50p.m. (22 July) (UTC+8) 02:00a.m.-02:50a.m. (22 July) (UTC-4) 08:00a.m.-08:50a.m. (22 July) (UTC+2)
Session 5 Chair: Paolo Soda	77	Che Wang et. al.	Online reconstruction of fast dynamic MR imaging using deep low-rank plus sparse network	Session 5 Chair: Baiying Lei	120	Xiang Zhang et. al.	Ethically Informed Software Process for Smart Health Home	03:00p.m.-03:15p.m. (22 July) (UTC+8) 03:00a.m.-03:15a.m. (22 July) (UTC-4) 09:00a.m.-09:15a.m. (22 July) (UTC+2)
	76	Chen Cui et. al.	Explanations of Deep Networks on EEG Data via Interpretable Approaches		126	Jialan Tang et. al.	A Drug Repositioning Approach Using Drug and Disease Features	03:15p.m.-03:30p.m. (22 July) (UTC+8) 03:15a.m.-03:30a.m. (22 July) (UTC-4) 09:15a.m.-09:30a.m. (22 July) (UTC+2)
	110	Yasmin Abdelghaffar et. al.	Generative Adversarial Networks for Augmenting EEG Data in P300-based Applications: A Comparative Study		59	Yash Pawar et. al.	Leveraging Clinical BERT in Multimodal Mortality Prediction Models for COVID-19	03:30p.m.-03:45p.m. (22 July) (UTC+8) 03:30a.m.-03:45a.m. (22 July) (UTC-4) 09:30a.m.-09:45a.m. (22 July) (UTC+2)
	18	Reham Elnabawy et. al.	A YOLO-based Object Simplification Approach for Visual Prostheses		51	Zhe Wang et. al.	The Impact of General Data Protection Regulation on the Australasian Type-1 Diabetes Platform	03:45p.m.-04:00p.m. (22 July) (UTC+8) 03:45a.m.-04:00a.m. (22 July) (UTC-4) 09:45a.m.-10:00a.m. (22 July) (UTC+2)
Session 6 Chair: Bridget Kane	102	Elisabetta Torre et. al.	Exploiting AI to make insulin pens smart: injection site recognition and lipodystrophy detection	Session 6 Chair: Myra Spiliopoulou	127	Miro Schleicher et. al.	Prediction of declining engagement to self-monitoring apps on the example of tinnitus mHealth data	04:15p.m.-04:30p.m. (22 July) (UTC+8) 04:15a.m.-04:30a.m. (22 July) (UTC-4) 10:15a.m.-10:30a.m. (22 July) (UTC+2)

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	68	Niccolo McConnell et. al.	Integrating Residual, Dense, and Inception Blocks into the nnUNet		37	Linda Lapp et. al.	Predicting the Onset of Delirium on Hourly Basis in an Intensive Care Unit Following Cardiac Surgery	04:30p.m.-04:45p.m. (22 July) (UTC+8) 04:30a.m.-04:45a.m. (22 July) (UTC-4) 10:30a.m.-10:45a.m. (22 July) (UTC+2)
	79	Ian Darbey et. al.	Analysing Out-patient Demand and Forecasting Theatre Requirements in a Teaching Hospital		107	Fellipe Ferreira et. al.	Deep learning and machine learning using actigraphy signals for schizophrenia classification	04:45p.m.-05:00p.m. (22 July) (UTC+8) 04:45a.m.-05:00a.m. (22 July) (UTC-4) 10:45a.m.-11:00a.m. (22 July) (UTC+2)
Session 7 Chair: Bridget Kane	40	Filipa G. Carvalho et. al.	Deep Model for Anticancer Drug Response through Genomic Profiles and Compound Structures	Session 7 Chair: Matteo Polsinelli	85	Arnaldo Pereira et. al.	Visualising Time-evolving Semantic Biomedical Data	05:15p.m.-05:30p.m. (22 July) (UTC+8) 05:15a.m.-05:30a.m. (22 July) (UTC-4) 11:15a.m.-11:30a.m. (22 July) (UTC+2)
	39	Joana Rocha et. al.	Attention-driven Spatial Transformer Network for Abnormality Detection in Chest X-Ray Images		82	Giuseppe Placidi et. al.	Investigating the Effectiveness of Color Coding in Multimodal Medical Imaging	05:30p.m.-05:45p.m. (22 July) (UTC+8) 05:30a.m.-05:45a.m. (22 July) (UTC-4) 11:30a.m.-11:45a.m. (22 July) (UTC+2)
	69	Mahbub Ul Alam et. al.	Exploring LRP and Grad-CAM visualization to interpret multi-label-multi-class pathology prediction using chest radiography		121	Jorge Miguel Silva et. al.	The value of compression for taxonomic identification	05:45p.m.-06:00p.m. (22 July) (UTC+8) 05:45a.m.-06:00a.m. (22 July) (UTC-4) 11:45a.m.-12:00p.m. (22 July) (UTC+2)
Day 3 (July 23)								
Session 8 Chair: Jiajun Wen	109	Elaineide Silva dos Santos et. al.	Diabetic Foot Ulcers Classification using a fine-tuned CNNs Ensemble	Session 8 Chair: Zhiguo Zhou	90	Aref Smiley et. al.	Aerobic Exercise System for Home Telerehabilitation	09:30a.m.-09:45a.m. (23 July) (UTC+8) 09:30p.m.-09:45p.m. (22 July) (UTC-4) 03:30a.m.-03:45a.m. (23 July) (UTC+2)
	44	Sachintha Brandigampala et. al.	Data Augmentation Methods For Object Detection and Segmentation In Ultrasound Scans: An Empirical Comparative Study		54	Ziyan Lin et. al.	Magnitude-image based data-consistent deep learning method for MRI super resolution	09:45a.m.-10:00a.m. (23 July) (UTC+8) 09:45p.m.-10:00p.m. (22 July) (UTC-4) 03:45a.m.-04:00a.m. (23 July) (UTC+2)
	35	Meiyan Yue et. al.	MRI-guided Automated Delineation of Gross Tumor Volume for Nasopharyngeal Carcinoma using Deep Learning		27	Dehua Feng et. al.	Penalized Entropy: a novel loss function for uncertainty estimation and optimization in medical image classification	10:00a.m.-10:15a.m. (23 July) (UTC+8) 10:00p.m.-10:15p.m. (22 July) (UTC-4) 04:00a.m.-04:15a.m. (23 July) (UTC+2)

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Session 9 Chair: Xianxu Hou	43	Sunyong Seo et. al.	Facial Pore Segmentation Algorithm using shallow CNN	Session 9 Chair: Zhihui Lai	119	Shaonan Zhong et. al.	Automatic Detection of Prostate Cancer Systemic Lesions Based on Deep Learning and 68Ga-PSMA-11 PET/CT	10:30a.m.-10:45a.m. (23 July) (UTC+8) 10:30p.m.-10:45p.m. (22 July) (UTC-4) 04:30a.m.-04:45a.m. (23 July) (UTC+2)
	114	Nikhil Kumar Tomar et. al.	Automatic Polyp Segmentation with Multiple Kernel Dilated Convolution Network		86	Abhinandan Panda et. al.	Policy-Based Diabetes Detection using Formal Runtime Verification Monitors	10:45a.m.-11:00a.m. (23 July) (UTC+8) 10:45p.m.-11:00p.m. (22 July) (UTC-4) 04:45a.m.-05:00a.m. (23 July) (UTC+2)
	117	Abhishek Srivastava et. al.	Video Capsule Endoscopy Classification using Focal Modulation Guided Convolutional Neural Network}		17	Yanjiao Zhao et. al.	Breast Lesions Segmentation using Dual-level UNet (DL-UNet)	11:00a.m.-11:15a.m. (23 July) (UTC+8) 11:00p.m.-11:15p.m. (22 July) (UTC-4) 05:00a.m.-05:15a.m. (23 July) (UTC+2)
Session 10 Chair: Bingsheng Huang	128	Agnimitra Sen et. al.	Ensemble Framework for Unsupervised Cervical Cell Segmentation	Session 10 Chair: Zhiguo Zhang	23	Sijin Luo et. al.	Optimum Thresholding for Medical Brain Images Based on Tsallis Entropy and Bayesian Estimation	11:30a.m.-11:45a.m. (23 July) (UTC+8) 11:30p.m.-11:45p.m. (22 July) (UTC-4) 05:30a.m.-05:45a.m. (23 July) (UTC+2)
	83	Yi Li et. al.	Integrating with Segmentation by Using Deep Multi-Task Learning Improves Classification Performance in Medical Image Analysis		38	Yanling Liu et. al.	TcT: Temporal and channel Transformer for EEG-based Emotion Recognition	11:45a.m.-12:00p.m. (23 July) (UTC+8) 11:45p.m. (22 July)-12:00a.m. (23 July) (UTC-4) 05:45a.m.-06:00a.m. (23 July) (UTC+2)
	14	Hong Wu et. al.	Learning Pre- and Post-contrast Representation for Breast Cancer Segmentation in DCE-MRI		29	Wenjian Sun et. al.	Deep Log-Normal Label Distribution Learning for Pneumoconiosis Staging on Chest Radiographs	12:00p.m.-12:15p.m. (23 July) (UTC+8) 12:00a.m.-12:15a.m. (23 July) (UTC-4) 06:00a.m.-06:15a.m. (23 July) (UTC+2)
Keynote Chair: Alejandro Rodríguez		KC Santosh	Keynote Speech 3				(Please joint Room 1 for Keynote)	02:00p.m.-02:50p.m. (23 July) (UTC+8) 02:00a.m.-02:50a.m. (23 July) (UTC-4) 08:00a.m.-08:50a.m. (23 July) (UTC+2)

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Session 11 Chair: Xuechen LI	56	Siting Zheng et. al.	A Contrastive learning-based MIB-ANet for Adenoid Hypertrophy Grading Using Nasoendoscopic Image	Session 11 Chair: Alejandro Rodríguez	10	Sami Puustinen et. al.	Towards Clinical Hyperspectral Imaging (HSI) Standards: Initial Design for a Microneurosurgical HSI Database	03:00p.m.-03:15p.m. (23 July) (UTC+8) 03:00a.m.-03:15a.m. (23 July) (UTC-4) 09:00a.m.-09:15a.m. (23 July) (UTC+2)
	88	Semin Kim et. al.	Semi-automatic Labeling and Training Strategy for Deep Learning-based Facial Wrinkle Detection		81	Liang Xiao	Towards Evidence-based Argumentation Graph for Clinical Decision Support	03:15p.m.-03:30p.m. (23 July) (UTC+8) 03:15a.m.-03:30a.m. (23 July) (UTC-4) 09:15a.m.-09:30a.m. (23 July) (UTC+2)
	70	Limin Huang et. al.	End-to-end Multi-task Learning Regression Network for Fovea Localization in Fundus Images		4	Laura Carolina Martínez Esmeral et. al.	Patient identification methods based on medical imagery and their impact on patient privacy and open medical data	03:30p.m.-03:45p.m. (23 July) (UTC+8) 03:30a.m.-03:45a.m. (23 July) (UTC-4) 09:30a.m.-09:45a.m. (23 July) (UTC+2)
Session 12 Chair: Myra Spiliopoulou	105	Grigorii Shoroshov et. al.	MRI Quality Control Algorithm Based on Image Analysis Using Convolutional and Recurrent Neural Networks	Session 12 Chair: Jose Luis Oliveira	34	Natalia Mathá et. al.	Evaluation of Relevance-Driven Compression of Regular Cataract Surgery Videos	04:00p.m.-04:15p.m. (23 July) (UTC+8) 04:00a.m.-04:15a.m. (23 July) (UTC-4) 10:00a.m.-10:15a.m. (23 July) (UTC+2)
	25	Uli Niemann et. al.	Classification of cardiac cohorts based on morphological and hemodynamic features derived from 4D PC-MRI data		67	Belén Otero-Carrasco et. al.	Drug repositioning with gender perspective focused on Adverse Drug Reactions	04:15p.m.-04:30p.m. (23 July) (UTC+8) 04:15a.m.-04:30a.m. (23 July) (UTC-4) 10:15a.m.-10:30a.m. (23 July) (UTC+2)
	50	Daniel Gómez-Bravo et. al.	Subgroup Discovery Analysis of Treatment Patterns in Lung Cancer Patients		89	Matteo Spezialetti et. al.	Optimizing Nozzle Travel Time in Proton Therapy	04:30p.m.-04:45p.m. (23 July) (UTC+8) 04:30a.m.-04:45a.m. (23 July) (UTC-4) 10:30a.m.-10:45a.m. (23 July) (UTC+2)
Session 13 (Special Track) Chair: Silvia Delgado Olabarriaga	46	João Rafael Almeida et. al.	A secure architecture for exploring patient-level databases from distributed institutions	Doctoral Consortium Chair: Baiying Lei				
	55	Richard Sinnott et. al.	Experiences in Development and Support of a Multi-technology Skin Conditions Clinical Trial Platform					
	115	Chiarelli Vale et. al.	Touchless Authentication for Health Professionals: Analyzing the Risks and Proposing Alternatives to Dirty Interfaces					
	71	Lúcio Reis et. al.	Fine-grained Encryption for Secure Research Data Sharing					

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		Linlin Shen	Award and Closing Ceremony		All Participants joint Room 1 for Award and Closing Ceremony	06:05p.m.-06:15p.m. (23 July) (UTC+8) 06:05a.m.-06:15a.m. (23 July) (UTC-4) 12:05p.m.-12:15p.m. (23 July) (UTC+2)
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