

Time Slot	Thu 19 Nov
8:00-9:00	Keynote talk I: Intawat Nookaew, University of Arkansas for Medical Sciences (UAMS), USA Uncovering RNA and DNA Modifications from Native Sequences
9:00-9:20	Towards Automated Comprehension and Alignment of Cardiac Models at the System Invariant Level
9:20-9:40	Predicting Dihydroartemisinin Resistance in Plasmodium falciparum using Pathway Activity Inference
9:40-10:00	Classification of Protein Crystallization Images using EfficientNet with Data Augmentation
10:00-10:20	Modeling metabolic fluxes underlying cassava storage root growth through E-Fmin analysis
10:20-10:30	break
10:30-11:30	ICONIP2020 Invited talk I: Tianbao Yang, University of Iowa, USA Large-scale Deep AUC Maximization and Applications in Medical Image Classification
11:20-12:00	break
DLAI4 Women in Science and Engineering (WISE) Session	
12:00-13:00	IEEE-CIS Distinguished Lecturer Talk : Sushmita Mitra, Indian Statistical Institute, India Intelligent Biomedical Image Analysis
13:00-14:00	Academic Talk: Ling Li, Curtin University, Australia Affinity learning with the diffusion process
14:00-15:00	Academic Talk: Jing Li, The Hong Kong Polytechnic University, Hong Kong Language Understanding in Social Interactions
15:00-16:00	Academic Talk: Tiranee Achalakul, King Mongkut's University of Technology Thonburi, Thailand How Big Data and AI change the way we live?
16:00-17:00	Industry Talk: Gabriela Csurka, Naver Labs Europe, France Deep Domain Adaptation for Visual Applications

Time Slot	Fri 20 Nov
8:00-9:00	Keynote talk II: Ryan Yuen, Hospital for Sick Children, Canada Genome-wide repeat expansions in complex disorders: beyond the coding sequence
9:00-9:20	Detecting Covid-19 in Chest X-Rays using Transfer Learning with VGG16
9:20-9:40	COVID19 Chest X-Ray Classification with Simple Convolutional Neural Network
9:40-10:00	Fine-Tuning A Lightweight Convolutional Neural Networks for COVID-19 Diagnosis
10:00-10:20	An Image Segment-based Classification for Chest X-Ray Image
10:20-10:40	break
10:40-11:00	DLPAlign: A Deep Learning based Progressive Alignment Method for Multiple Protein Sequences
11:00-11:20	Computational Modeling and Simulation of Viral Load Kinetics in SARS-CoV-2 Replication
11:20-11:40	Convolutional neural network for prediction of COVID-19 from chest X-ray images
11:40-12:00	Covid 19 Prediction from X Ray Images Using Fully Connected Convolutional Neural Network
12:00-12:20	break + Kaggle COVID-19 CXR Challenge final results announcement
12:20-12:40	Identification of Gene Subnetwork Biomarkers of Lung Cancer from RNA-seq Data
12:40-13:00	In-Silico Study for Potential Inhibitors of Both HSP72 and HSC70 Proteins in the Treatment of Cancer
13:00-13:20	Automatic ICD-10 codes association to diagnosis: Bulgarian case
13:20-13:40	Computational study of inertial effects in toroidal and helical microchannels
13:40-14:00	Proof-of-concept model of red blood cell with coarse-grained hemoglobin
14:00-15:00	DLAI4 Academic Talk: Nipon Theera-Umpon, Chiang Mai University, Thailand A.I. in Biomedical Engineering
15:00-16:40	ICONIP2020 Session 3: Bioinformatics and Biomedical Information 10 papers @ 10 min each

Time Slot	Sat 21 Nov
10.00-15.00	CSBio2020 Tutorial: Beginner's Guide to Microbiome Analysis
A	Modeling and Simulation of Biological Processes
B	Network and Pathway Analysis
C	Protein Structure Prediction and Functional Study
D	CHAT-2020 (COVID-19 Health, Analytics, and Technologies)