

NAMSP'2020 Program

(All hours are GMT)

July 9th, 2020

Thursday

ZOOM virtual room

12:00 – 12:45 Official opening

12:45 – 13:15 Invite lecture 1: Prof. Mariofanna Milanova, Visual Intelligence: Visual Intelligence and Deep Learning models: What we can learn from hierarchies in the primate's Visual Cortex?

13:15 – 13:30 Xinyi Liu, Imran Sarker, Mariofanna Milanova and Lawrence O'gorman, Video - Based Monitoring and Analytics of Human Gait for Companion Robot

13:30 – 13:45 Break

13:45 – 14:15 Invited lecture 2: Prof. Abdel-Badeeh M. Salem, Computational Intelligence for Brain Tumors

14:15 – 14:30 Prof. Roumen Kountchev, Dr. Roumiana Kountcheva, Comparative Analysis of the Hierarchical 3D-SVD and Reduced Inverse Tensor Pyramid in Regard to Famous 3D Orthogonal Transforms

14:30 – 14:45 Elghoul Sinda and Ghorbel Faouzi, Partial Contour Matching based on Affine Curvature Scale Space Descriptors

July 10th, 2020

Friday

ZOOM virtual room

12:00 - 12:15 Stefan Ivanov, Stanko Stankov, Jacek Wilk-Jakubowski and Paweł Stawczyk, The Using of Deep Neural Networks and Acoustic Waves Modulated by Triangular Waveform for Extinguishing Fires

12:15 – 12:30 Boris Tudjarov, Rosen Mitrev and Daniela Gotseva, Web-based Virtual Reality for Planning and Simulation of Lifting Operations Performed by a Hydraulic Excavator

12:30 – 12:45 Kavita Rathi Panwar and Parvinder Singh, Copy Move Forgery Detection by using Key-Point based Harris Features and CLA clustering

12:45 – 13:00 Tripti Rathee and Parvinder Singh, MedSecureChain: Applying Blockchain for Delegated access in Healthcare

13:00 – 13:15 Break

13:15 – 13:30 Bhawna Sharma, Parvinder Singh and Jasvinder Kaur, Cosine and Soft Cosine Similarity based Anti-phishing Model

13:30 – 13:45 Jasvinder Kaur, Shivani Sharma and Parvinder Singh, Enhanced Image Steganography Technique Using Cryptography for Data Hiding

13:45 – 14:00 Ekta Dalal and Dr. Parvinder Singh, Comparative Analysis of Various Recommendation Systems

14:00 – 14:15 Chander Kant, Sheetal Chaudhary, Sukhdev Singh and Parvinder Singh, Finger Knuckle Print Feature Extraction using Artificial Intelligence Algorithm

14:15 – 14:30 Plamen Petrov and Veska Georgieva, Vision-Based Line Tracking Control and Stability Analysis of Unicycle Mobile Robots

14:30 – 14:45 Ivo Draganov and Rumen Mironov, Tracking of Domestic Animals in Video by Tensor Decompositions

14:45 – 15:00 Rumen Mironov and Ivo Draganov, Multidimensional Image Filtration using HoSVD Tensor Decomposition

July 11th, 2020

Saturday

ZOOM virtual room

12:00 – 12:15 Mei Guo and Min Xiao, Electronic Information Image Processing Technology Based on Convolutional Neural Network

12:15 – 12:30 Mei Guo and Min Xiao, Research on Related Problems of Intelligent Medical Logistics Distribution Based on Particle Swarm Optimization

12:30 – 12:45 Tian Fang, Yao Juan, Xu Wang and Zhang Cheng, Study of Wool Image Recognition Based on Texture Features

12:45 – 13:00 Licun Sun, Yuanfangzhou Wang, Jie Feng and Ya Liu, The Observation and Simulation of Dynamic Diffraction Patterns Caused by a Cylindrical Liquid Diffusion Pool for Diffusivity Measurement

13:00 – 13:30 Discussions and closing ceremony