IBICA – WICT 2018

Technical Program Schedule (Ver 2.0)
December 17, 2018

09:00 - 03:00: Registration
10:00 – 02:00 City tour

December 18, 2018

09:30 - 10:30: Inauguration
10:30 - 10:50: Coffee break
10:50 - 11:50: Plenary 1 (Oscar Castillo, Tijuana Institute of Technology, Tijuana, Mexico)
11:50 - 12:50: Plenary 2 (Florin Popentiu Vladicescu, University Politehnica of Bucharest, Romania)
12:50 - 01:50: Lunch
01:50 – 02:50 Plenary 3 (Sheng-Lung Peng, National Dong Hwa University, Hualien 974, Taiwan)
02:50 - 04:00: Parallel Session: IBICA - 01

13  Effect of Derivative Action on Back-Propagation Algorithms
    Ahmet Gürhanl?, Taner Çevik and Nazife Çevik

23  A review on Human Action Recognition and Machine Learning techniques for Suicide Detection System
    Rahul Chiranjeevi V and Elangovan D

25  EEG Signal Analysis using Wavelet Transform for Driver Status Detection
    Prabhavathi Nissimagoudar, Anilkumar Nandi, Gireesha M and Anup Torgal

30  BMI Application: Accident Reduction using Drowsiness Detection
    Chirag Ghube, Anuja Kulkarni, Chinmayi Bankar and Mangesh Bedekar
02:50 - 04:00: Parallel Session: WICT - 01

18 PPARM: Privacy Preserving Association Rule Mining Technique for Vertical Partitioning Database
   Virendra Dani, Shubham Kothari and Himanshu Panadiwal

27 Generation of Hindi Word Embeddings and their Utilization in Ranking Documents using Negative Sampling Architecture, t-SNE Visualisation and TF-IDF based Weighted Average of Vectors
   Arya Prabhudesai

34 Design and Performance of Millimeter Wave Antenna for the 5th Generation of Wireless Communication Systems Application
   Dr. Giriraj Kumar and Santhosh Kumar Allemki

35 Path Construction for Data Mule in Target Based Mobile Wireless Sensor Networks
   Udit Kamboj, Vishal Prasad Sharma and Pratyay Kuila

04:00 - 04:20: Coffee break

04:20 - 05:35: Parallel Session: IBICA - 02

39 Genre Based Classification of Hindi Music
   Deepti Chaudhary, Niraj Pratap Singh and Sachin Singh

42 A Novel Meta-heuristic Differential Evolution Algorithm for Optimal Target Coverage in Wireless Sensor Networks
   Pushparaj Shetty D and Chandra Naik

45 Implementation of Threshold Comparator using Cartesian Genetic Programming on Embryonic Fabric
   Gayatri Malhotra

48 Implementation of a Fixed Point Fully Parallel Turbo Decoder for Communication Applications
   Parvathy M and Ganesan R

62 EEG Feature Extraction and analysis for Driver Drowsiness Detection
   Prabhavathi Nissimagoudar, Anilkumar Nandi, Gireesha M and Anup Torgal

04:20 - 05:35: Parallel Session: WICT - 02

39 Learning to solve single variable linear equations by universal search with probabilistic program graphs
Swarna Kamal Paul, Prince Gupta and Parama Bhaumik

44 Optimizing Probability of Intercept using XCS Algorithm
Ravindra Joshi and Dr Chandrashekhar N

45 Reducing the negative effect of malicious nodes in Opportunistic networks Using Reputation based Trust Management
Smritikona Barai, Nupur Boral and Parama Bhaumik

53 Features Extraction: A Significant Stage in Melanoma Classification
Savy Gulati and Rosepreet Kaur Bhogal

63 Development of an Innovative Mobile Phone- Based Newborn Care Training Application
Sherri Bucher, Elizabeth Meyers, Bhavani Singh Agnikula Kshatriya, Prem Chand Avanigadda and Saptarshi Purkayastha

92 Advancements in Medical Practice Using Mixed Reality Technology
Adam Nowak, Mikołaj Woźniak, Michał Pieprzowski and Andrzej Romanowski

05:45 - 08:00: Cultural events and Banquet

December 19, 2018

09:00 - 10:30: Parallel Session: IBICA - 03

59 An Effective Approach for Party Recommendation in Voting Advice Application
Sharanya Nagarajan and Anuj Mohamed

60 Fuzzy logic based Dynamic Plotting of Mood Swings from Tweets
Srishti Vashishtha and Seba Susan

61 Application of Parallel Genetic Algorithm for Model-Based Gaussian Cluster Analysis
Peter Laurinec, Tomáš Jarábek and Mária Lucká

73 A Theoretical Approach towards Optimizing the Movement of Catom Clusters in Micro Robotics Based on the Foraging Behaviour of Honey Bees
Jithin K C and Syam Sankar

74 Sensor Data Cleaning using Particle Swarm Optimization
Parag Narkhede, Shripad Deshpande and Rahee Walambe
09:00 - 10:30: Parallel Session: WICT – 03

78 An Image Encryption Method Using Henon Map and JosephusTraversal
  Shahna K U and Anuj Mohamed

84 Revealing Abnormality based on Hybrid Clustering and Classification Approach
  Asha Ashok and Prathibha Mol C.P

85 Medical Recovery System Based on Inertial Sensors
  Silviu Butnariu, Csaba Antonya and Petronela Ursu

86 A comparative study of performance and security issues of public key cryptography and symmetric key cryptography in reversible data hiding
  Anagha S, Neenu Sebastian and Rosebell Paul K

88 Haptic device with decoupled motion for rehabilitation and training of the upper limb
  Csaba Antonya, Silviu Butnariu and Claudiu Pozna

89 LSTM approach to cancel noise from mouse input for patients with motor disabilities
  Soham Harnale, Ashwin Vaidya, Aditya Bhide, Aniket Sanap and Mangesh Bedeker

94 Classification of Melanoma using different Segmentation Techniques
  Savy Gulati and Rosepreet Kaur Bhogal

10:30 -10:50: Coffee break

10:50 – 12:20: Session IBICA - 04

77 Comparative analysis of chaotic variant of Firefly Algorithm, Flower Pollination Algorithm and Dragonfly Algorithm for high dimension Non-linear test functions
  Amrit Pal Singh and Arvinder Kaur

79 Learning based Image Super Resolution Using Sparse Online Greedy Support Vector Regression
  Jesna Anver and Abdulla P

81 A Deep Learning approach for Molecular Crystallinity Prediction
  Akash Sharma and Bharti Khungar

85 Optimized Path Selection in Oceanographic Environment
  Sobhana N V and Rahul Raj K.
88  GABOost:A Clustering Based Undersampling Algorithm For Highly Imbalanced Datasets Using Genetic Algorithm
   Ajilisa O A, Jagthyraj V P and Sabu M K

12:30 - 01:30: Lunch

**IBICA - Virtual Presentations**

14  Quantum Cryptography : A Survey
   Lav Upadhyay

22  Transfusion of Extended Vigenere Table and ASCII conversion for Encryption Contrivance
   Sakshi Sharma, Prateek Thakral, Karan Goyal, Tarun Kumar and Deepak Garg

47  Design and Implementation of an IoT-based Haptic Interface implemented by memetic algorithms to improve competitiveness in an Industry 4.0 Model for the Manufacturing sector
   C. Alberto Ochoa-Zezatti and Roberto Contreras-Massé

68  Security Challenges in Semantic Web Of Things
   Sanju Tiwari, Sarika Jain, Chhiteesh Rai and Niketa Gandhi

78  Analysis of Optimised LQR Controller Using Genetic Algorithm for Isolated Power System
   Anju G Pillai, Elizabeth Rita Samuel and Unnikrishnan A

**WICT - Virtual Presentations**

7   A Modified IEEE 802.11 Protocol for increasing Confidentiality in WLANs
    Abhijath Ande, Nakul Singh and Bksp Kumar Raju Alluri

17  Temporal Event Detection Using Supervised Machine Learning Based Algorithm
    Rakshita Bansal, Monika Rani, Harish Kumar and Sakshi Kaushal

40  PKI Model Optimisation in VANET with Clustering and Polling
    Arul Thileeban S, Sathiya Narayan Chakravarthy, Bhuvana J and Balasubramanian V

93  Contouring the Behavioral Patterns of the Users of Social Network(ing) Sites and the Need for a Data Privacy Law in India: An Application of SEM-PLS Technique
    Sandeep Mittal and Priyanka Sharma
95  A Fuzzy Based Hybrid Firefly Optimization Technique for Load Balancing In Cloud Datacenters
    M. Lawanya Shri, E Gangadevi, B. Balamurugan, Seifedine Kadry, Sanjay Misra and Modupe Odusami

96  A Fuzzy Expert System for Diagnosing and Analyzing Human Diseases
    Nureni Azeez, Timothy Towolawi, Sanjay Misra, Charles van der Vyver, Adewole Adewumi, Robertas Damasevicius and Dr.Ravin Ahuja

97  Diagnosing Oral Ulcers with Bayes Model
    Nureni Azeez, Samuel Oyeniran, Sanjay Misra, Adewole Adewumi, Ravin Ahuja, Robertas Damasevicius and Rytis Maskeliunas

98  Design and Implementation of a Fault Management System
    Abiola Salau, Banjo O. Esther, Sanjay Misra, Adewole Adewumi, Ravin Ahuja and Rytis Maskeliunas