17th International Conference on

Intelligent Systems Design and Applications (ISDA'17)

17th International Conference on

Hybrid Intelligent Systems (HIS'17)

7th World Congress on

Information and Communication Technologies (WICT'17)

9th World Congress on

Nature and Biologically Inspired Computing (NaBIC'17)

Organized by





South Asian University, Delhi

December 14-16, 2017

Technical Programme

December 14, 2017 (Thursday)

09:00 - : Registration

09:30 - 17:15: International Workshop on Computational Intelligence and Machine Learning

(IWCIML 2017)

December 15, 2017 (Friday)

Time	Event
08:30 - 09:15	Registration
09:15 - 09:30	Inauguration
09:30 - 10:30	Plenary Talk I: Optimization of modular granular neural networks using bio-inspired optimization algorithms with fuzzy parameter adaptation for human recognition Patricia Melin, Tijuana Institute of Technology, Mexico
10:30 - 11:00	Coffee break
	Parallel Technical Sessions
Room A: ISDA : Chair: Frantisek 2	
11:00 - 13:00	1: Enhancing Job Opportunities in Rural India Through Constrained Cognitive Learning Process: Reforming Basic Education Shivangi Nigam, Abhishek Bajpai and Bineet Gupta 2: UML2ADA for early verification of concurrency inside the UML2.0 atomic components Taoufik Sakka Rouis, Mohamed Tahar Bhiri, Mourad Kmimech and Layth Sliman 5: A Novel Restart Strategy for Solving Complex Multi-Modal Optimization Problems using Real-Coded Genetic Algorithm Amit Das and Dilip Pratihar 12: Computer Aided Recognition and Classification of Coats of Arms Frantisek Vidensky and Frantisek Zboril 20: A Secure and Efficient Temporal features Based Framework for cloud using MapReduce Srinivasa Rao P and Krishna Prasad E S N Ponnekanti 29: Interval Valued Feature Selection for Classification of Logo Images D S Guru and N Vinay Kumar 30: An Hierarchical Framework for Classroom Events Classification D S Guru, N Vinay Kumar, K N Mahalakshmi Gupta, S D Nandini, H N Rajini and G Namratha Urs
Room B: HIS I	
Chair: Indrajit Sa	
Co-Chair: Pramod	
	5: Semi-Supervised Learning with the Integration of Fuzzy Clustering and Artificial Neural Network Indrajit Saha and Nivriti Debnath
	10: A Fast Satellite Image Super-Resolution Technique using Multicore

	Processing Helal Uddin Mullah and Bhabesh Deka
11:00 - 13:00	17: GA Optimized ANN for Context Aware Recommender System
11.00 - 15.00	Akshi Kumar, Nitin Sachdeva and Archit Garg
	18: Person vs Non-Person Classification Of Twitter Handle
	Himanshu Budania and Pramod Kumar Singh
	19: Detection of Insulting Comments in Online Discussion
	Anusha Gupta and Pramod Kumar Singh
	21: A Model for Multi-processor task scheduling problem using Quantum
	Genetic Algorithm
	Rashika Bangroo, Reya Sharma and Neetesh Kumar
	22: Improving Modified Differential Evolution for Fuzzy Clustering
	Jnanendra Prasad Sarkar, Indrajit Saha, Anasua Sarkar and Ujjwal Maulik
13:00 - 14:00	Lunch
15100 11100	Lanci
	Parallel Technical Sessions
	1 41411-51 1 551111-51115
Room A: ISDA	II
Chair: Andrè G. S	Santos
Co-Chair: Gagano	deep Kaur
	36: A Memetic Algorithm for the Network Construction Problem with Due
	Dates
	Jonatas B. C. Chagas, Andrè G. Santos and Marcone J. F. Souza
	38: Content-based Classification Approach for Video-Spam Identification
	Palak Agarwal, Mahak Sharma and Gagandeep Kaur
	40: Kinematic Analysis and Simulation of a 6 DOF Robot in a Web-based
14:00 - 15:30	Platform Using CAD File Import
	Ujjal Dey and Cheruvu Siva Kumar
	41: Large Scale Deep Network Architecture of CNN for Unconstraint Visual
	Activity Analytics
	Naresh Kumar
	43: Computing Theory Prime Implicates in Modal Logic
	Manoj Raut, Tushar Kokane and Rishabh Agarwal
15:30 - 15:50	Coffee break
	44: Fault Tolerance in Real-Time Systems: A Review
	Egemen Ertugrul and Ozgur Koray Sahingoz
	46: Gauss-Newton Representation Based Algorithm for Magnetic
	Resonance Brain Image Classification
	Lingraj Dora, Sanjay Agrawal and Rutuparna Panda
15:50 – 17:20	47: Evaluating Different Similarity Measures for the Automatic Biomedical
	Text Summarization
	Mozhgan Nasr Azadani and Nasser Ghadiri
	52: Ensemble of feature selection methods for text classification: An
	analytical study
	D S Guru, Mahamad Suhil, S K Pavithra and G R Priya
Room B: HIS II	
Chair: Jalal Hama	
Co-Chair: Milan T	uba

	HIS II
	11: Use of Cellular Automata to predict deforestation in Queretaro
	C. Alberto Ochoa-Zezatti and Maria de Lourdes Yolanda Margain Fuentes
	26: Hybridized Elephant Herding Optimization Algorithm for Constrained
	Problems
	Ivana Strumberger, Nebojsa Bacanin and Milan Tuba
	27: Drone Placement for Optimal Coverage by Brain Storm Optimization
14:00 - 15:30	Algorithm
	Eva Tuba, Romana Capor-Hrosik, Adis Alihodzic and Milan Tuba
	29: Manufacturing Services Classification in a Decentralized Supply Chain using Text Mining
	Md. Akhtar, Vijay Kumar, M. L. R. Varela, G. D. Putnik, A. M. Madureira and Ajith Abraham
	36: Perturbation Based Efficient Crow Search Optimized FLANN for System
	Identification: A Novel Approach
	Bighnaraj Naik, Debasmita Mishra, Janmenjoy Nayak, Danilo Pelusi and
	Ajith Abraham
15:30 - 15:50	Coffee break
	WICT I
	11: Design and Simulation of Multi-Band M-Shaped Vivaldi Antenna Jalal Hamad Ameen
	15: Evaluating the efficiency of Higher Secondary Education State Boards
	in India: A DEA-ANN approach
	Natthan Singh and Millie Pant
	19: Simulation Design of Aircraft CFD Based on High Performance Parallel
15:50 – 17:20	Computation
	Yinfen Xie
	20: Determining the optimum release policy through Differential Evolution:
	A case study of Mula irrigation project
	Bilal, Millie Pant and Deepti Rani
	26: Online Academic Social Networking Sites (ASNSs) Selection through
	AHP for Placement of Advertisement of E-learning Website
	Meenu Singh, Millie Pant, Arshia Kaul and P.C. Jha

December 16, 2017 (Saturday)

Time	Event
09:30 - 10:30	Plenary Talk II:
	Alexander Gelbukh, Instituto Politécnico Nacional, Mexico
10:30 - 11:00	Coffee break
	Parallel Technical Sessions
Room A: ISDA	III
Chair: Gagandee	p Kaur
Co-Chair: Manoj	Kumar Raut
	53: Correlation Scaled Principal Component Regression

	Krishna Kumar Singh, Amit Patel and Chiranjeevi Sadu
	57: Predictive analysis of alertness related features for driver drowsiness
	detection
11:00 - 13:00	Sachin Kumar, Anushtha Kalia and Arjun Sharma
	60: Optimum Feature Selection Using Firefly Algorithm for Keystroke
	Dynamics
	Akila Muthuramalingam, Jenifa Gnanamanickam and Ramzan Muhammad
	62: Multi-UAV Path Planning with Multi Colony Ant Optimization
	Ugur Cekmez, Mustafa Ozsiginan and Ozgur Koray Sahingoz
	66: A Deep Convolution Neural Network based Model for Enhancing Text
	Video Frames for Detection
	Sunil C, Chethan H K, Raghunandan K S and Hemantha Kumar G
	69: Image Sentiment Analysis using Convolutional Neural Network
	Akshi Kumar and Arunima Jaiswal
	71: Cluster based approaches for keyframe selection in natural flower
	videos
	D S Guru, Jyothi V K and Y H Sharath Kumar
Room B: WICT	
Chair: Leisa Arm	
Co-Chairs: Amiya	Tripathy and Rajni Jain
	13: Monitoring chili crop and Gray mould disease analysis through wireless
	sensor network
	Sana Shaikh, Amiya Kumar Tripathy, Gurleen Gill, Anjali Gupta and Riya
	Hegde
	14: Intelligent AgriTrade to Abet Indian Farming
	Kalpita Wagaskar and Amiya Kumar Tripathy
	22: Characterising the impact of drought on jowar (Sorghum spp) crop
11:00 - 13:00	yield using Bayesian networks
	Shubhangi Wankhede and Leisa Armstrong
	23: Linear programming based optimum crop mix for crop cultivation in
	Assam state of India
	Rajni Jain,Kingsly Immaneulraj,Lungkudailiu Malangmei,Nivedita Deka,
	Raju S. S., S. K. Srivastava, J. P. Hazarika, Amrit Pal Kaur and Jaspal Singh
	30: Indian Mobile Agricultural Services Using Big Data and Internet of
	Things (IoT) Pallavio Chatuphalo and Loica Armstrong
13:00 - 14:00	Pallavie Chatuphale and Leisa Armstrong Lunch
13.00 - 14.00	Lunch
	Parallel Technical Sessions
	raialici iccillicai Sessiviis
Room A: ISDA	TV
Chair: Ozgur Kor	
Chair. Ozgar Kor	a, carmigoz
	74: Improved Symbol Segmentation for TELUGU Optical Character
	Recognition
14:00 - 15:30	Sukumar Burra, Amit Patel, Chakravarthy Bhagvati and Atul Negi
	78: Hardware Trojan: Malware detection using Reverse-engineering and
	SVM
	1

	Girishma Jain, Sandeep Raghuwanshi and Gagan Vishwakarma
	79: Obtaining word embedding from existing classification model
	Martin Sustek and Frantisek V. Zboril
	80: A Robust Static Sign Language Recognition System Based on Hand Key
	Points Estimation
	Pengfei Sun, Feng Chen, Guijin Wang, Jinsheng Ren and Jianwu Dong
	82: Modeling of a System for fECG Extraction from abdECG
	Rolant Gini J, Deepan Chakravarthy P, K I Ramachandran and Pooja Anand
15:30 – 15:50	Coffee break
	84: Improving upon package and food delivery by Semi-autonomous Tag-
	along Vehicles
	Vaclav Uhlir, Frantisek Zboril and Jaroslav Rozman
	85: A Novel Multi-Party Key Exchange Protocol
	Swapnil Paliwal and Aswani Kumar Cherukuri
15:50 - 17:20	86: NLP based Phishing Attack Detection from URLs
	Ebubekir Buber, Ozgur Koray Sahingoz and Banu Diri
	92: Detection and localization of duplicated frames in Doctored Video
	Vivek Singh, Pavan Chakroborty and Ramesh Chandra Tripathi
	129: Blind Write Protocol
	Khairul Anshar, Nanna Suryana and Noraswaliza Binti Abdullah
Room B: WICT	III, NaBIC I and ISDA V
Chair: Tribeni Pra	
Co-Chair: Sangee	•
	WICT III
	31: A Study of the Privacy Attitudes of Users of Social Network(ing) Sites
	and their Expectations from Law in India
	Sandeep Mittal and Priyanka Sharma
	12: Performance Evaluation of Openflow SDN Controllers
	Sangeeta Mittal
	29: Fingerprint based gender identification using digital image processing
14:00 - 15:30	and artificial neural network
	Mahendra Kanojia, Niketa Gandhi, Leisa Armstrong and Chetna Suthar
	NaBIC I
	1: Implementing a Survival Supplies Model on Oil Platform using Brain
	Storm Optimization Algorithm
	C. Alberto Ochoa-Zezatti and Maria De Lourdes Margain Fuentes
	7: Genetic Algorithm to generate music compositions: A case study with
	tabla
	Subodh Deolekar, Ninad Godambe and Siby Abraham
15:30 – 15:50	Coffee break
	ISDA V
	1 103 AN FIREINE BENISH ANDRINHIN OF THE FIREIN ROPER PROPERTY
	105: An Effective Heuristic Algorithm for the Double Vehicle Routing
	Problem with Multiple Stack and Heterogeneous Demand
	Problem with Multiple Stack and Heterogeneous Demand Jonatas B. C. Chagas and André G. Santos
	Problem with Multiple Stack and Heterogeneous Demand Jonatas B. C. Chagas and André G. Santos 107: Named Entity Recognition from Gujarati Text using Rule Based
	Problem with Multiple Stack and Heterogeneous Demand Jonatas B. C. Chagas and André G. Santos

15:50 - 17:20	111: Mining Communities in Directed Networks: A Game Theoretic
	Approach
	Annapurna Jonnalagadda and Lakshmanan Kuppusamy
	120: A Support Vector Machine based Approach to Real Time Fault Signal
	Classification for High Speed BLDC Motor
	Tribeni Prasad Banerjee and Ajith Abraham
	122: Automatic identification of malaria using image processing and
	artificial neural network
	Mahendra Kanojia, Niketa Gandhi, Leisa Armstrong and Pranali Pednekar
17:30	Closing ceremony

Virtual presentations

December 15-16, 2017 10:30 - 17:00

List of papers for Virtual Presentations

ISDA 2017 Virtual Presentations

- 4: *A new approach for the diagnosis of Parkinson's disease using a similarity feature extractor* João W. M. Souza, Jefferson S. Almeida and Pedro Pedrosa Rebouaas Filho
- 8: Evaluating SPL Quality with metrics

Jihen Ma,zoun, Nadia Bouassida and Hanene Ben-Abdallah

- 10: Using sentence similarity measure for plagiarism detection of Arabic documents Wafa Wali, Bilel Gargouri and Abdelmajid Ben Hamadou
- 14: *Mining Gene Expression Data: Patterns Extraction for Gene Regulatory Networks* Manel Gouider, Ines Hamdi and Henda Ben Ghezala
- 15: Exploring Location and Ranking for Academic Venue Recommendation Nour Mhirsi and Imen Boukhris
- 17: Designing compound MAPE patterns for self-adaptive systems
 Marwa Hachicha, Riadh Ben Halima and Ahmed Hadj Kacem
- 18: CRF+LG: A Hybrid Approach for the Portuguese Named Entity Recognition Juliana Pirovani and Elias Oliveira
- 23: A comparison of machine learning methods to identify broken bar failures in induction motors using statistical moments

Navar De Medeiros Mendonça Nascimento, Cláudio Marques De Sá Medeiros and Pedro Pedrosa Rebouças Filho

- 26: Canonical Correlation-based Feature Fusion Approach for Scene Classification Arunnehru J, Yashwanth A and Shammer Shaik
- 27: A Mixed-Integer Linear Programming Model and a Simulated Annealing Algorithm for the Longterm Preventive Maintenance Scheduling Problem

Roberto Aquino, Jonatas Chagas and Marcone Souza

- 31: Hand gesture recognition system based on Local Binary Pattern approach for mobile devices Houssem Lahiani, Monji Kherallah and Mahmoud Neji
- 33: An Efficient Real-Time Approach For Detection of Parkinson's Disease

Joyjit Chatterjee, Ayush Saxena, Garima Vyas and Anu Mehra

35: Dual Image Encryption Technique: Using Logistic Map and Noise

Muskan Kalra, Hemant Kumar Dua and Reena Singh

37: Incremental Real Time Support Vector Machines

Fahmi Ben Rejab and Nouira Kaouther

42: An Automated Support Tool to Compute State Redundancy Semantic Metric

Dalila Amara, Ezzeddine Fatnassi and Latifa Ben Arfa Rabai

- 49: Fingerprint Image Enhancement Using Steerable Filter in Wavelet Domain Kathirvalavakumar Thangairulappan and Jeyalakshmi K.S
- 51: Privacy Preserving Hu's Moments in Encrypted Domain

Preethi G and Aswani Kumar Cherukuri

- 55: Automated detection of Diabetic Retinopathy using weighted Support Vector Machines Soumyadeep Bhattacharjee and Avik Banerjee
- 58: Association Rules Transformation for Knowledge Integration and Warehousing

Rim Ayadi, Yasser Hachaichi and Jamel Feki

59: Abnormal high-level event recognition in parking lot

Najla Bouarada Ghrab, Rania Rebai Boukhriss, Emna Fendri and Mohamed Hammami

63: An efficient method for detecting fraudulent transactions using classification algorithms on an anonymized credit card data set

Sylvester Manlangit, Sami Azam, Bharanidharan Shanmugam, Krishnan Kannoorpatti, Mirjam Jonkman and Arasu Balasubramaniam

67: A novel approach for steganography app in android OS

Kushal Gurung, Sami Azam, Bharanidharan Shanmugam, Krishnan Kannoorpatti, Mirjam Jonkman and Arasu Balasubramaniam

68: Exploring Human Movement Behaviour based on Mobility Association Rule Mining of Trajectory Traces

Shreya Ghosh and Soumya Ghosh

73: From Crisp to Soft Possibilistic and Rough Meta-clustering of Retail Datasets
Asma Ammar and Zied Elouedi

76: Semantic Attribute Classification Related To Gait

Imen Chtourou, Emna Fendri and Mohamed Hammami

77: Classification of Dengue Gene Expression Using Entropy-based Feature Selection and Pruning on Neural Network

Kathirvalavakumar Thangairulappan and Pandiselvam Pandiyarajan

81: Multiobjective Genetic Algorithm for Minimum Weight Minimum Connected Dominating Set Rengaswamy Dinesh, Subham Datta and Subramanian Ramalingam

83: Supervised Learning Model for Combating Cyberbullying: Indonesian Capital City 2017 Governor Election Case

Putri Sanggabuana Setiawan, Muhammad Ikhwan Jambak and Muhammad Ihsan Jambak

87: Hand pose estimation system based on a cascade approach for mobile devices Houssem Lahiani, Monji Kherallah and Mahmoud Neji

88: HMI Fuzzy Assessment of Complex Systems Usability

Ilhem Kallel, Mohamed Jouili and Houcine Ezzedine

90: A novel hybrid GA for the assignment of jobs to machines in a complex hybrid flow shop problem Houda Harbaoui, Soulef Khalfallah and Odile Bellenguez-Morineau

91: Selecting Relevant Educational Attributes for Predicting Students' Academic Performance Abir Abid, Ilhem Kallel, Ignacio J Blanco and Mounir Ben Ayed

94: A Novel Approach for Approximate Spatio-Textual Skyline Queries

Seyyed Hamid Aboutorabi, Nasser Ghadiri and Mohammad Khodizadeh Nahari

95: SMI-based opinion analysis of cloud services from online reviews

Emna Ben-Abdallah, Khouloud Boukadi and Mohamed Hammami

96: Heuristics for the hybrid flow shop scheduling problem with parallel machines at the first stage and two dedicated machines at the second stage

Zouhour Nabli, Soulef Khalfallah and Ouajdi Korbaa

97: Breast Density Classification for Cancer Detection using DCT-PCA Feature Extraction and Classifier Ensemble

Md Sarwar Morshedul Haque, Md Rafiul Hassan, G Binmakhashen, A Owaidh and Joarder Kamruzzaman

99: Scheduling analysis and correction of periodic Real Time Systems with tasks migration Faten Mrabet, Walid Karamti and Adel Mahfoudhi

100: Generating semantic and logic meaning representations when analyzing the Arabic natural questions

Wided Bakari, Patrice Bellot and Mahmoud Neji

101: An Arabic question-answering system combining a se-mantic and logical representation of texts Mabrouka Ben-Sghaier, Wided Bakari and Mahmoud Neji

102: Algorithms for Finding Maximal and Maximum Cliques: A Survey

Faten Fakhfakh, Mohamed Tounsi, Mohamed Mosbah, and Ahmed Hadj Kacem

103: K4BPMN Modeler: An extension of BPMN 2 Modeler with the Knowledge Dimension based on core ontologies

Molka Keskes, Mariam Ben Hassen and Mohamed Turki

104: Exploring the integration of Business Process with Nosql databases in the context of BPM Asma Hassani and Sonia Ayachi Ghannouchi

108: A Meta-Modeling Approach to create a Multidimensional Business Knowledge Model based on BPMN

Sonya Ouali, Mohamed Mhiri and Faiez Gargouri

109: Toward a MapReduce-based K-means Method for Multi-Dimensional Time Serial Data Clustering Yongzheng Lin, Kun Ma, Runyuan Sun and Ajith Abraham

126: Comparative Analysis of Adaptive Filters for Predicting Wind-Power Generation (SLMS, NLMS, SGDLMS, WLMS, RLMS)

Ashima Arora and Rajesh Wadhvani

130: Ontology Visualization: An Overview

Nassira Achich, Bassem Bouaziz, Alsayed Algergawi and Faiez Gargouri

132: A Contextual Information Retrieval System Based on Non-Negative Matrix Factorization Technique and Semantic Relationships between Terms

Nesrine Ksentini, Mohamed Tmar and Faiez Gargouri

HIS 2017 Virtual Presentations

- 3: Neural Tree for Estimating the Uniaxial Compressive Strength of Rock Materials Varun Kumar Ojha and Deepak Amban Mishra
- 4: Fault Tolerant Multiple Synchronized Parallel Load Balancing in Cloud Sreelakshmi Suresh and Remesh Babu Raman
- 7: GMM-KNN: A Method for Processing Continuous k-NN queries Based on The Gaussian Mixture Model Ziqiang Yu, Mincai Lai and Lin Wang
- 9: Edge Detection for Cement Images Based on Interactive Genetic Algorithm
 Guangyue Gao, Lin Wang, Bo Yang, Liangliang Zhang, Fengyang Sun, Ajith Abraham and Shuangrong
 Liu
- 14: A Classification algorithm for Assessing the Quality Criteria for Business Process Models Fouzia Kahloun and Sonia Ayachi Channouchi
- 15: Multilevel Image Thresholding Established On Fuzzy Entropy Using Differential Evolution Abhishek Dixit, Sushil Kumar, Millie Pant and Rohit Bansal
- 25: A recent brief survey for the Multi Depot Heterogenous Vehicle Routing Problem with Time Windows

Bochra Rabbouch and Rafaa Mraihi

- 28: Combining Fragmentation and Encryption to ensure Big Data at rest Security Houyem Heni, Faiez Gargouri and Marwa Ben Abdallah
- 32: Secured Biometric Template Matching by using Linear Discriminant Analysis Surbhi Vijh and Deepak Gaur
- 37: Neurodegenerative Diseases Detection through Voice Analysis

Diogo Braga, Ana Madureira, Luis Coelho and Ajith Abraham

39: Multi Document Summarization Using Neuro-Fuzzy System

Muhammad Azhari Ahmad Kamil, Yogan Jaya Kumar, Goh Ong Sing, Ngo Hea Choon and Aditya Pradana

- 40: A Comparison of Butterworth Noise Filteration Frequency for Isotonic Muscle Fatigue Analysis Nur Shidah Ahmad Sharawardi, Yun-Huoy Choo, Shin-Horng Chong and Nur Ikhwan Mohamad
- 41: Recognizing Music Features Pattern Using Modified Negative Selection Algorithm for Songs Genre Classification

Noor Azilah Muda, Azah Kamilah Muda and Choo Yun Huoy

42: Preparation of ATS Drugs 3D Molecular Structure for 3D Moment Invariants-based Molecular Descriptors

Satrya Fajri Pratama, Azah Kamilah Muda, Yun-Huoy Choo and Ajith Abraham

43: Synchronization Technique via Raspbery Pi as Middleware for Hospital Information System Mohd Hariz Naim, Mohd Khanapi Abd Ghani, Abd Samad Hasan Basari, Burhanuddin Mohd Aboobaider, Lizawati Salahuddin, Wan Norhisyam Abd Rashid and Jun Kai Gan

44: Validation Guideline for Small Scale Dataset Classification Result in Medical Domain Zeratul Izzah Mohd Yusoh and Kim Hwe Ee

46: A Grey Wolf Optimization Algorithm for Modular Granular Neural Networks Applied to Iris Recognition

Patricia Melin and Daniela Sanchez

48: Fraudulent Website Detection Using Bag of Words and Supervised Machine Learning Mahdi Maktabar, Anazida Zainal, Mohd Aizaini Maarof and Mod Nizam Kassim

49: Wavelet Convolutional Neural Networks for handwritten digits recognition
Chiraz Ben Chaabane, Dorra Mellouli, Tarek M. Hamdani, Adel M. Alimi and Ajith Abraham

WICT Virtual Presentations

17: Design of Millimeter-wave Microstrip Antenna Array for 5G Communications? A Comparative Study Saswati Ghosh and Debarati Sen

24: *eDWaaS: A Scalable Educational Data Warehouse as a Service* Anupam Khan, Sourav Ghosh and Soumya K. Ghosh

NaBIC Virtual Presentations

2: Encryption based on Neural Cryptography Sayantica Pattanayak and Simone A Ludwig

8: Navigation Control of Mobile Robot in Unknown Environments using Adaptive Cuckoo Search Algorithm

Prases Kumar Mohanty, Shubhasri Kundu and Harshal Dewang