

**Toc H Institute of Science & Technology  
Department of Information Technology**

**6th International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA 2015)  
December 16-18, 2015**

<b>Day 1 : 16 December 2015 (Wednesday)</b>	
<b>Time</b>	<b>Event</b>
2.00 pm - 3.00 pm	<b>Registration desk opens</b>
3.00 pm - 7.00 pm	<b>Cultural tour</b>

<b>Day 2 : 17 December 2015 (Thursday)</b>			
<b>Time</b>	<b>Event</b>		
08: 30 am - 9:30 am	<b>Inauguration ceremony</b>		
9:30 am -10:30 am	<b>Plenary Talk I</b>		
10:30 am -10:40 am	<b>Coffee break</b>		
10:40 am -12:30 pm	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Paper Presentation Session - Function approximation and applications - I</b></p> <p><b>(Paper ID) Title, Authors List</b></p> <p>(19) Robust Optimized Artificial neural network based fuel cell voltage tracking, Vinu R and Varghese Paul</p> <p>(30) Prediction of heart disease using random forest and feature subset selection, Akhil Jabbar Meerja, Deekshatulu B L and Priti Chandra</p> <p>(37) Application of Hexagonal Coordinate Systems for Searching the k-NN in 2D Space, , Vojt?ch Uher, Petr Gajdo?, Tom? Je?owicz and V?clav Sn?el</p> <p>(46) Debris Detection and Tracking system in water bodies using Motion Estimation technique, Senthil Kumar T, Gau Tam and Haritha H</p> <p>(49) A Review on How Human Aging Influences Facial Expression Recognition (FER), Mary Robson and Jayakumar T. V.</p> <p>(54) An Intelligent Approach for Diabetes Classification, Prediction and Description, Tarik Rashid, Saman Abdullah and Rezhna Abdullah</p> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Tutorial 1:</b></p> <p><b>"Cohort Intelligence Algorithm"</b></p> <p><b>Speaker: Anand J Kulkarni, Symbiosis International University, Pune, India</b></p> </td> </tr> </table>	<p><b>Paper Presentation Session - Function approximation and applications - I</b></p> <p><b>(Paper ID) Title, Authors List</b></p> <p>(19) Robust Optimized Artificial neural network based fuel cell voltage tracking, Vinu R and Varghese Paul</p> <p>(30) Prediction of heart disease using random forest and feature subset selection, Akhil Jabbar Meerja, Deekshatulu B L and Priti Chandra</p> <p>(37) Application of Hexagonal Coordinate Systems for Searching the k-NN in 2D Space, , Vojt?ch Uher, Petr Gajdo?, Tom? Je?owicz and V?clav Sn?el</p> <p>(46) Debris Detection and Tracking system in water bodies using Motion Estimation technique, Senthil Kumar T, Gau Tam and Haritha H</p> <p>(49) A Review on How Human Aging Influences Facial Expression Recognition (FER), Mary Robson and Jayakumar T. V.</p> <p>(54) An Intelligent Approach for Diabetes Classification, Prediction and Description, Tarik Rashid, Saman Abdullah and Rezhna Abdullah</p>	<p><b>Tutorial 1:</b></p> <p><b>"Cohort Intelligence Algorithm"</b></p> <p><b>Speaker: Anand J Kulkarni, Symbiosis International University, Pune, India</b></p>
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12:30 pm - 1:30 pm	<b>Lunch</b>
1:30 pm - 3:30 pm	<p><b>Paper Presentation Session-Function approximation and applications - II</b></p> <p><b>(Paper ID) Title, Authors List</b></p> <p>(60) D-MBPSO:An unsupervised feature selection algorithm based on PSO K Umamaheswari and M Dhivya</p> <p>(64) A Hybrid Dimension Reduction Technique for Document Clustering, Cynthia Nebu and Sumy Joseph</p> <p>(65) 2D Image Reconstruction after Removal of Detected Salient Regions using Exemplar-Based Image Inpainting Hima Roy and Jayakrishna V</p> <p>(68) Fetal Heart Rate Variability: Multiple Regression Models Using Autoregressive Analysis and Fast Fourier Transform Manoj S. Sankhe and Kamalakar D Desai</p> <p>(72) Restricted Boltzmann Machine based Energy Efficient Cognitive Network -Mohanapriya P, Mercy Shalinie S and Tulika Pandey</p> <p>(74)An effective bio-inspired methodology for optimal estimation and forecasting CO2 emission in India Sangeetha A and Amudha T</p> <p>(78) Conceptual voice based querying support model for relevant document retrieval - Olufade Onifade and Ayodeji Ibitoye</p>
3:30 pm - 3:50 pm	<b>Coffee break</b>
3:50 pm - 5:00 pm	<p><b>Approximate reasoning and applications</b></p> <p>(7) Hawk Eye: Intelligent Analysis of Socio Inspired Cohorts for Plagiarism - Preeti Mulay and Karuna Puri</p> <p>(9) Mechanism of fuzzy arms on chemical reaction-Helen P. Chandra, Saroja Theerdus S.M. Kalavathy, Mary Imelda A. Jayaseeli and Philomenal J. Karoline</p> <p>(81)Fuzzy Variable Stiffness in Landing Phase for Jumping Robot-Juan Manuel Calderon</p> <p>(58)A Novel Algorithm for Utility-Frequent Itemset Mining in Market Basket Analysis-Akhil Jabbar Meerja</p>
5:15 pm - 7:00 pm	<b>Cultural Programme</b>
7:00 pm - 8:00 pm	<b>Conference Dinner</b>

<b>Day 3 : 18 December 2015 (Friday)</b>	
<b>Time</b>	<b>Event</b>
08:30 am -09:30 am	<b>Plenary Talk II</b>
09:30 am -09:50 am	<b>Coffee break</b>
09:50 am -12:15 pm	<p><b>Paper Presentation Session - - Global optimization and applications</b></p> <p><b>(Paper ID) Title, Authors List</b></p> <p>(5) Multiset Genetic Algorithm Approach to Grid Resource Allocation , -Absalom Ezugwu, Daniel Yakmut, Paschal Ochang, Seyed Buhari, Marc-Eduard Frincu and Sahalu Junaidu</p> <p>(15) Enhanced Bee Colony Algorithm for Efficient Load Balancing and Scheduling in Cloud -Remesh Babu Raman and Philip Samuel</p> <p>(22) Particle Swarm Optimization Method Based Consistency Checking in UML Class and Activity Diagrams -Renu George and Philip Samuel</p> <p>(39) Hybrid Feature Selection using Correlation Coefficient and Particle Swarm Optimization on microarray gene expression data -Arunkumar Chinnaswamy and Ramakrishnan Srinivasan</p> <p>(40) Resource Aware Adaptive Scheduler for Heterogeneous Workload with Task based Job Sampling - Athira Panicker and Jisha G</p> <p>(48) Ant Pheromone Evaluation Models Based Gateway Selection in MANET -Naveen Kumar Gupta, Dr. Rakesh Kumar, Amit Kumar Gupta and Prakash Srivastava</p> <p>(66) Solution to Constrained Test Problems using Cohort Intelligence Algorithm -Apoorva Shastri, Priya Jadhav, Dr. Anand Kulkarni and Ajith Abraham</p> <p>(85)Experimental Study on Bound Handling Techniques for Multi-Objective Particle Swarm Optimization - Devang Agarwal and Deepak Sharma</p> <p>(87)Role of Bio-inspired optimization in disaster operations management research -Dhveya R and Amudha T</p> <p>(88) Optimal reservoir release for hydropower generation maximization using particle swarm optimization- Kiruthiga D and Amudha T</p>
12:15 pm - 1:00 pm	<b>Lunch</b>

1:00 pm -3:00 pm	<b>Paper Presentation Session - -Big Data Processing and Applications</b>	
	<p><b>(Paper ID) Title, Authors List</b></p> <p>(6) Secure Cloud Multi-tenant Applications with Cache in PaaS - Remesh Babu Raman, Saranya S and Philip Samuel</p> <p>(10) The Power of Hybridity and Context Free in HP System- Helen P. Chandra, Saroja Theerdus S.M. Kalavathy and Nithya Kalyani</p> <p>(23) Data Centric Text Processing Using MapReduce - Sandhya N and Philip Samuel</p> <p>(24) Request Reply Detection Mechanism for Malicious MANETs - Sreelakshmi S and Preetha K G-</p> <p>(28)A Novel Approach for Malicious Node Detection in MANET</p> <p>(38) Locality Aware MapReduce - Reema Rhine and Nikhila Bhuvan</p> <p>(61) Delay scheduling with reduced workload on JobTracker in Hadoop - Krishan Sethi and Ramesh Dharavath</p> <p>(67)Placement strategies for faulty cells on module relocation based BISR approach - Madhuri Elsa Eapen, Pradeep C, Anila Ann Varghese and Jisha M Nair</p> <p>(21)PIRIDS: A Model on Intrusion Response System Based on Biologically Inspired Response - Rupam Sharma and Hemanta Kumar Kalita</p>	
3:00 pm - 3:15 pm	<b>Coffee break</b>	
3:15 pm - 4:30 pm	<b>Paper Presentation Session - Applications I</b>	<b>Paper Presentation Session - -Applications II</b>
	<p><b>(Paper ID) Title, Authors List</b></p> <p>(29)Improving The Productivity In Global Software Development-Manoj Ray D and Philip Samuel</p> <p>(32)Software Requirement Elicitation using Natural Language Processing- Murali Mohanan</p> <p>(41)Generating Picture Arrays Based on Grammar Systems with Flat Splicing Operation - K G Subramanian, G Samdanielthompson, Gnanamalar David and Atulya Nagar</p>	<p><b>(Paper ID) Title, Authors List</b></p> <p>(80) Online Pairwise Ranking based on Graph Edge-Connectivity -Carlos Quintero, Reinaldo Uribe, Juan Manuel Calderon and Fernando Lozano</p> <p>(82) An extended study on the association between elicitation issues and software project performance: a theoretical model - Neetu Sethia</p> <p>(83) Compact Design of Rectangular Patch Antenna with Symmetrical U slots on Partial Ground for UWB Applications -Sandeep Toshniwal, Somesh Sharma, Sanyog Rawat, Pushpendra Singh and Kanad Ray</p>

	(44)Identification of Multimodal Human-Robot Interaction using Combined Kernels - Carlos Rodriguez, Andrea Perez, Carlos Quintero, Jorge Lopez Jimenez, Eyberth Rojas and Juan Manuel Calderon
4.30 pm	<b>Conference Closing Ceremony</b>
	<b>* Poster Papers *</b>
	(20)Gravitational Search Algorithm to Solve Open Vehicle Routing Problem - Ali A. Rahmani Hosseinabadi, Maryam Kardgar, Mohammad Shojafar, Shahaboddin Shamshirband and Ajith Abraham
	(26)Ensemble of Flexible Neural Trees for Predicting Risk in Grid Computing Environment - Sara Abdelwahab, Varun Ojha and Ajith Abraham
	(47)Understanding the consequences of social isolation using Fireworks Algorithm - C. Alberto Ochoa-Zezatti and Lourdes Margain
	(59)Exact Computation of 3D Geometric Moment Invariants for ATS Drugs Identification- Satrya Fajri Pratama, Azah Muda, Yun-Huoy Choo and Ajith Abraham
	(62)Reducing travel time in VANETs with parallel implementation of MACO (Modified ACO) -Vinita Jindal and Punam Bedi
	(63)FS-EHS: Harmony Search based Feature Selection Algorithm for Steganalysis using ELM - Veenu Bhasin, Punam Bedi, Neha Singh and Charu Aggarwal
	(73)Computational Intelligence Technique for Drug Molecular Structure: A Review -Yee Ching Saw and Muda Azah Kamilah
	(84)Big Data Challenges and Solutions in healthcare: A survey - Prabha Mathew and Anitha .S. Pillai