

List of Papers accepted for publication in the Proceedings of ICOCBA 2012.

Track Code: OP (Optimization); CO (Computing); BA (Business Analytics)

Track: Optimization

Sl. No.	Manuscript No.	Title of the paper	Author
1.	OP01	A Heuristic for Load Carrier Problem	Manik Chandra Das
2.	OP04	Bicriteria Job Block Scheduling with Sequence Dependent Setup Time	Deepak Gupta, Sameer Sharma, Seema Sharma, Keval Krishan Nailwal
3.	OP08	Fuzzy Flow Shop Scheduling on Two Machines with Single Transport Facility and Job-Block Criteria	Sameer Sharma, Deepak Gupta, Seema Sharma
4.	OP09	Multicriteria and decision making units	V. P. Sampath, R. Raja
5.	OP10	Resource Allocation around an Automated Sortation System	Sudhir Kumar Sinha, Shripad Salsingkar, Umesh Chandra Behera, Dheeraj Anil kumar Shah
6.	OP13	Goal Programming Approach to Multi-index real life transportation problem with crisp objective function and interval valued supply and destination parameters	Dalbinder Kaur, Sathi Mukherjee, Kajla Basu
7.	OP15	An EPQ model with shortages and imperfect quality items under fuzzy environment and Inflation	Shiv Raj Singh Shalini Jain
8.	OP16	Algorithms and solution techniques for multiple cranes' scheduling problem at cargo container trans-shipment terminals	Niraj Ramesh Dayama, Mohan Krishnamoorthy, Narayan Rangaraj, Vishnu Narayanan_
9.	OP17	Modeling and Non-Linear Analysis of a Capacitor-start Capacitor-run Single-Phase Induction Motor	Animesh Karmakar, Nihar Ranjan Roy, Rajarshi Mukherjee, Pradip Kumar Saha, Gautam Kr .Panda
10.	OP18	Penalty based Preferential Allotment of Teaching Assistants	Krishna Kamal Kakati, Prakash Kotecha
11.	OP19	Finite Source Inventory System with Service Facility and Feedback Customers	A. Shophia Lawrence, M. Amirthakodi, B. Sivakumar
12.	OP20	An (s,S) Inventory System with Two Heterogeneous Server and Multiple Server Vacations	C. Suganya, B. Sivakumar, G. Arivarignan
13.	OP21	A Perishable Inventory System with Service Facility, Postponed Demands and Finite Waiting Hall	J. Sebastian Arockia Jenifer, B. Sivakumar

Sl. No.	Manuscript No.	Title of the paper	Author
14.	OP22	Analysis of an Inventory System with Postponed Demands and Modified Server Vacations	I. Padmavathi, B. Sivakumar, G. Arivarignan
15.	OP23	Perishable Inventory System with Service Facility, Multiple Server Vacations and Negative Arrivals	V. Radhamani, B. Sivakumar, G. Arivarignan
16.	OP25	Enabling Security Offload Accelerator in User Space	Yashpal Dutta
17.	OP26	Multicore Development Challenges in Virtualized environment	Yashpal Dutta
18.	OP29	A Single Machine Scheduling Problem with Partial Information Sharing	Anu Thomas, Mohan Krishnamoorthy, Gaurav Singh, Jayendran Venkateswaran
19.	OP30	Optimal pricing and pre-emptive scheduling in exponential server with two classes of customers	Manu K. Gupta, N. Hemachandra and Jayendran Venkateswaran
20.	OP31	Graph Labeling: Covering Largest Subgraph	Suhel Patel, R Chandrasekaran
21.	OP33	The Personnel Task Scheduling Problem with Variable Finish Times	Aarathi Nandakumar, Andreas T. Ernst, Mohan Krishnamoorthy, Narayan Rangaraj, Vishnu Narayanan
22.	OP34	Bribery Games - Does Differential Treatment Help?	Anirban Ghatak
23.	OP35	ON Group Divisible 3-Designs	Debabrata Kumar Ghosh, Manjusri Basu
24.	OP36	Machine Repair Problem with Spares and Two Repairmen with partial server vacation	D C Sharma
25.	OP39	Fixed charge capacitated non-linear Transportation problem	Atanu Das, Debiprasad Acharya, Manjusri Basu
26.	OP41	Tribonacci matrices and a new coding theory	Monojit Das, Manjusri Basu
27.	OP42	Three-echelon supply chain coordination considering duopolistic retailers with perfect quality products	Nikunja Mohan Modak, Shibaji Panda, Manjusri Basu

Track: Computing

Sl. No.	Manuscript No.	Title of the paper	Author
1.	CO02	Anaylsis of Service Quality Dimensions for Cloud Computing Applications	Subhasis Sen, Pritish Hatwar, Tripti Mahara
2.	CO05	Vibration based Tool Condition Monitoring (TCM) in machining of Titanium alloy (Ti-6Al-4V) using Machine Learning Algorithms	P.Krishnakumar, K.Rameshkumar, K.I.Ramachandran
3.	CO06	Morphism Structures of n-cut Graph Splicing Scheme in DNA Computing	S.JeyaBharathi, Sinthanai Selv, M.Angayarkanni, R. Anusha

Track: Business Analytics

Sl. No.	Manuscript No.	Title of the paper	Author
1.	BA01	Panel Co-integration Model and Energy Consumption Function'	Rudra P. Pradhan, Bele Samadhan, Subhanish Dey
2.	BA03	Airline Passenger Baggage Bin Forecasting Problem	Abirbhab Bandyopadhyay, Sumit Raut
3.	BA04	A Fixed Point Theorem on Fuzzy Metric Space Using Biased Maps of Type (RM)	Vishal Gupta, Ashima Kanwar
4.	BA05	Optimal Skill Profile for Service Desk Teams	Girish Keshav Palshikar & others
5.	BA08	An inventory model for deteriorating items with price sensitive demand, shortages and trade-credit under inflation	S.R.Singh, Swati Sharma
6.	BA09	Minimizing Risk in the Newsboy Inventory Model Subject to a Target Return	Siddharth Mahajan
7.	BA10	Fill rate of single stage single item of mixture inventory model	Achin Srivastav, Sunil Agrawal
8.	BA11	Efficiency Measurement of Indian Major Petrochem Industries: An application of Data Envelopment Analysis	Swagata chakraborty, Arijit Ghosh, Gautam Bandopadhyay
9.	BA12	A Two warehouse inventory model for deteriorating Items with multi variate demand and shortages in an inflationary environment	S.R.Singh, Monika Vishnoi

In addition to the above papers, the following papers will have oral presentation at the conference

Sl. No.	Manuscript No.	Title of the paper	Author
1.	OP03	A Divide-and-Bridge Heuristic For Steiner Minimal Trees on the Euclidean Plane	Badri Toppur
2.	OP05	A Hybrid Approach for Reliability Redundancy Allocation Problem of a Series System with Multiple Choices	Avijit Duary, Asoke Kumar, Bhunia, Ranjan Kumar Gupta
3.	OP07	Plant Allocation Problem in Interval Environment via Particle Swarm Optimization	Laxminarayan Sahoo, Asoke Kumar Bhunia, Dilip Roy
4.	OP27	Optimum Simple Step-Stress Test with Competing Risks for Failure using Khamis-Higgins model	Preeti Wanti Srivastava and Ruchi Shukla
5.	OP28	Optimum Multi-Objective Modified Step-Stress Accelerated Life Test Plan for Burr Type-XII Distribution under Time Constraint	Preeti W. Srivastava, Neha Mittal
6.	BA07	An Optimal SSMD Strategy for the deteriorating Product with End-Of-Life Treatment	Neha Saxena, Shiv Raj Singh