

ICOCBA 2012 Program

Day	Time	Program
Wednesday December 19	9:00 – 10:00	Registration
	10:00 – 5:00	Tutorial Session 1: Optimization Track Topic: Optimum Decision Making Under Uncertainty: Methods, Applications and Case Studies Speakers: Prof. Gautam Mitra Prof. Enza Messina
		Tutorial Session 2: Business Analytics Track Topic: Tutorial on How to Use Two Practical Tools for Strategy Analytics Speaker: Prof. Cathal M. Brugha
Thursday December 20	9:00 – 10:00	Registration
	10:00 – 10:05	Inaugural Session: Invocation Introduction Lighting of Lamp Address by OC - Chair: Prof. Bani K. Sinha Address by PC – Chair: Prof. S. P. Mukherjee Address by MD – Techno India Group Address by Chief Guest: Dr. Anup Kumar Chanda Keynote Address: Prof. T. Oyama Vote of Thanks: Prof. Manjusri Basu, Hon. Secretary – ORSI
	10:05 – 10:10	
	10:10 – 10:15	
	10:15 – 10:20	
	10:20 – 10:30	
	10:30 – 10:40	
	10:40 – 10:55	
	10:55 – 11:25	
	11:25 – 11:30	
	11:30 – 12:00	Tea Break
	12:00 – 13:30	Invited Talk 1 by Prof. Gautam Mitra Invited Talk 2 by Prof. Raymond Bisdorff Invited Talk 3 by Prof. Xie Min
	13:30 – 14:15	Lunch
	14:15 – 15:45	Session 1: Optimization <ol style="list-style-type: none"> 1. A Heuristic for Load Carrier Problem, Manik Chandra Das, Arunangshu Bikash Das, Siddhartha Ray [OP01] 2. A Divide-and-Bridge Heuristic For Steiner Minimal Trees on the Euclidean Plane, Badri Toppur [OP03] 3. Bicriteria Job Block Scheduling with Sequence Dependent Setup Time, Deepak Gupta, Sameer Sharma, Seema Sharma, Keval Krishan Nailwal [OP04] 4. A Hybrid Approach for Reliability Redundancy Allocation Problem of a Series System with Multiple Choices, Avijit Duary, Asoke Kumar, Bhunia, Ranjan Kumar Gupta [OP05] 5. Plant Allocation Problem in Interval Environment via Particle Swarm Optimization, Laxminarayan Sahoo, Asoke Kumar Bhunia, Dilip Roy [OP07] Session 2: Business Analytics <ol style="list-style-type: none"> 6. Panel Cointegration Model and Energy Consumption Function, Rudra P. Pradhan, Bele Samadhan, Subhanish Dey [BA01] 7. Airline Passenger Baggage Bin Forecasting Problem, Abirbhab Bandyopadhyay, Sumit Raut [BA03]

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		8. A Fixed Point Theorem on Fuzzy Metric Space Using Biased Maps of Type (RM), Vishal Gupta, Ashima Kanwar [BA04] 9. Optimal Skill Profile for Service Desk Teams, Girish Keshav Palshikar, Sandeep Chougule, Harrick M. Vin, Mohammed Mudassar [BA05] 10. An Optimal SSMD Strategy for the deteriorating Product with End-Of-Life Treatment, Neha Saxena, Shiv Raj Singh [BA07]
	15:45 – 16:00	Tea Break
	16:00 – 17:30	Session 3: Optimization 11. Fuzzy Flow Shop Scheduling on Two Machines with Single Transport Facility and Job-Block Criteria, Sameer Sharma, Deepak Gupta, Seema Sharma [OP08] 12. Multicriteria and decision making units, V. P. Sampath, A. Raja [OP09] 13. Resource Allocation around an Automated Sortation System, Sudhir Kumar Sinha, Shripad Salsingkar, Umesh Chandra Behera, Dheeraj Anil Kumar Shah [OP10] 14. 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 [OP13] 15. An EPQ model with shortages and imperfect quality items under fuzzy environment and Inflation, Shiv Raj Singh, Shalini Jain [OP15] Session 4: Business Analytics 16. An inventory model for deteriorating items with price sensitive demand, shortages and trade-credit under inflation, S.R Singh, Swati Sharma [BA08] 17. Minimizing Risk in the Newsboy Inventory Model Subject to a Target Return, Siddharth Mahajan [BA09] 18. Fill rate of single stage single item of mixture inventory model, Achin Srivastav, Sunil Agrawal [BA10] 19. Efficiency Measurement of Indian Major Petrochem Industries: An application of Data Envelopment Analysis, Swagata chakraborty, Arijit Ghosh, Gautam Bandopadhyay [BA11] 20. A Two warehouse inventory model for deteriorating Items with ultivariate demand and shortages in an inflationary environment, S.R.Singh, Monika Vishnoi [BA12]

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Friday December 21	9:00 – 10:00	Registration
	9:30 – 11:00	Invited Talk 4 by Prof. Gautam Dutta Invited Talk 5 by Prof. Dimitris K. Despotis Invited Talk 6 by Prof. Han Chun Kwong
	11:00 – 11:15	Tea Break
	11:15 – 12:45	Session 5: Optimization <ol style="list-style-type: none"> 21. Algorithms and solution techniques for multiple cranes' scheduling problem at cargo container trans-shipment terminals, Niraj Ramesh Dayama, Mohan Krishnamoorthy, Narayan Rangaraj, Vishnu Narayanan [OP16] 22. 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 [OP17] 23. Penalty based Preferential Allotment of Teaching Assistants, Krishna Kamal Kakati, Prakash Kotecha [OP18] 24. Finite Source Inventory System with Service Facility and Feedback Customers, A. Shophia Lawrence, M. Amirthakodi, B. Sivakumar [OP19] Session 6: Computing <ol style="list-style-type: none"> 25. Analysis of Service Quality Dimensions for Cloud Computing Applications, Subhasis Sen, Pritish Hatwar, Tripti Mahara [CO02] 26. ON Group Divisible 3–Designs, Debabrata Kumar Ghosh, Manjusri Basu [OP35] 27. 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 [CO05] 28. Morphism Structures of n-cut Graph Splicing Scheme in DNA Computing, S.JeyaBharathi, Sinthanai Selv, Angayarkanni, R. Anusha [CO06] 29. Tribonacci matrices and a new coding theory, Monojit Das, Manjusri Basu [OP41]
	13:00 – 13:45	Lunch
	13:45 – 18:00	Session 7: Optimization <ol style="list-style-type: none"> 30. An (s,S) Inventory System with Two Heterogeneous Server and Multiple Server Vacations, C. Suganya, B. Sivakumar, G. Arivarignan [OP20] 31. A Perishable Inventory System with Service Facility, Postponed Demands and Finite Waiting Hall, J. Sebastian Arockia Jenifer, B. Sivakumar [OP21] 32. Analysis of an Inventory System with Postponed Demands and Modified Server Vacations, I. Padmavathi, B. Sivakumar, G. Arivarignan [OP22] 33. Perishable Inventory System with Service Facility, Multiple Server Vacations and Negative Arrivals, V. Radhamani, B. Sivakumar, G. Arivarignan [OP23] 34. Enabling Security Offload Accelerator in User Space, Yashpal Dutta [OP25] 35. Optimum Simple Step-Stress Test with Competing Risks for Failure using Khamis-Higgins model, Preeti Wanti Srivastava and Ruchi Shukla [OP27]

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		36. A Single Machine Scheduling Problem with Partial Information Sharing, Anu Thomas, Mohan Krishnamoorthy, Gaurav Singh, Jayendran Venkateswaran [OP29] 37. Multicore Development Challenges in Virtualized environment, Yashpal Dutta, Varun Sethi [OP26] 38. Optimal pricing and pre-emptive scheduling in exponential server with two classes of customers, Manu K. Gupta, N. Hemachandra and Jayendran Venkateswaran [OP30] 39. Optimum Multi-Objective Modified Step-Stress Accelerated Life Test Plan for Burr Type-XII Distribution under Time Constraint, Preeti W. Srivastava, Neha Mittal [OP28]
	20:00-21:00	Conference Dinner
Saturday December 22:	9:00 – 10:00	Registration
	9:30 – 10:30	Invited Talk 8 by Prof. Enza Messina Invited Talk 9 by Prof. Cathal Brugha
	10:30-11:15	Session 8: Thesis presentation 40. A Study on Interval Ranking and It's Applications in Optimization Problem – Samiran Karmakar 41. Studies on Reliability Optimization Problems by Genetic Algorithm – Laxminarayan Sahoo
	11:15 – 11:30	Tea Break
	11:30 – 13:30	Session 9: Optimization 42. Graph Labeling: Covering Largest Subgraph, Suhel Patel, R Chandrasekaran [OP31] 43. The Personnel Task Scheduling Problem with Variable Finish Times, Aarthi Nandakumar, Andreas T. Ernst, Mohan Krishnamoorthy, Narayan Rangaraj, Vishnu Narayanan [OP33] 44. Machine Repair Problem with Spares and Two Repairmen with partial server vacation, D. C. Sharma [OP36] 45. Fixed charge capacitated non-linear Transportation problem, Atanu Das, Debiprasad Acharya, Manjusri Basu [OP39] 46. Bribery Games - Does Differential Treatment Help?, Anirban Ghatak [OP34] 47. Three-echelon supply chain coordination considering duopolistic retailers with perfect quality products, Nikunja Mohan Modak, Shibaji Panda, Manjusri Basu [OP42]
	13:30 – 14:00	Valedictory Session
	14:00 – 15:00	Lunch