

AMRITA VISHWA VIDYAPEETHAM
AMRITA SCHOOL OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

STUDENTS PUBLICATION DETAILS (2006 - 2010 BATCH)

Sl. No.	Title of Paper	Author (s)	Conference/Journal	Status
1	On Effective Spectrum Sharing in Cognitive Radio Networks	Manoj Mohandas, Nandu K Sreevalsan, Sedhuraja N, Shilpa Dinesh Nair, Gopi Krishna S M and Dr. K A Narayanankutty	International Conference on "Convergence of Science & Engineering in Education & Research, A Perspective in the New Millenium"	Accepted
2	Coverage Area and Spectrum Utilization Improvisation in Cognitive Radio Networks	Manoj Mohandas, Nandu K Sreevalsan, Sedhuraja N, Shilpa Dinesh Nair, Gopi Krishna S M and Dr. K A Narayanankutty	International Conference on Signal Processing and Communications - 2010	Accepted
3	Intrusion Detection Using Software Defined Noise Radar	Deepthi Maheshwari, J. Madhusudhan, Nandini, Pratyusha, Sowmiya. S. W and Mr. R. Ramanathan	International Conference on Computing , Communication (will be published in ieeexplore)	Accepted
4	Implementation of a Low Cost Syntthetic Aperture Radar Using Software Defined Radio	Deepthi Maheshwari, J. Madhusudhan, Nandini, Pratyusha, Sowmiya. S. W and Mr. R. Ramanathan	International Conference on Computing , Communication(will be published in ieeexplore)	Accepted
5	Detection and Classification of Signal to Configure Software Defined Radio	Naveena Karthika. P, Abhinav Puneeth Polisetty, Anil Kumar Achuthankutty, Prathibha N, Ronsen Roy Mathew and Mr. R. Gandhiraj	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Presented

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6	Evolving Artificial Neural Network Using PSO and GA	Anoop Gopinathan Pillai, Aravind Babu. S, Roshini P A, Sriram N and Dr. M. Nirmala Devi	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Presented
7	Evolving Artificial Neural Network Using Evolutionary Algorithms	Anoop Gopinathan Pillai, Aravind Babu. S, Roshini P A, Sriram N and Dr. M. Nirmala Devi	National Research Conference on "Challenges and Innovation Technology" CIIT '10	Accepted
8	Diagnosis of Multiple Faults in VLSI Circuits	Balaji Ramachnadran, Priyadharshan K, Madhushan. M, Mehul Agarwal, Sivakumar G, Uvapasath J and Ms. J P Anita	Fifth Innovative Conference on Embedded Systems, Mobile Communication and Computing ICEMC2 2010, PESIMSR, Kuppam	Communicated
9	Multiple Fault Diagnosis in Digital Circuits Using Binary Decision Diagrams	Balaji Ramachnadran, Priyadharshan K, Madhushan. M, Mehul Agarwal, Sivakumar G, Uvapasath J and Ms. J P Anita	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Presented
10	Post Coded OFDM Systmes With SVM Detector	M. S. Karthikeyan, S. Brahadeesh, N. Kathiresan, S. Karthik, N. S. Vignesh, S. Madhuranthagi and Mr. P. Sudheesh	International Journal of Advance in Communication Engineering	Published
11	Underwater Acoustic Communication Using OFDM	Satish Kumar. R, Shraddha Surendra, Manoj. N, Arumugam. K, Theertha Anbalagan and Dr. M. Jayakumar	International Journal of Advance in Communication Engineering	Published

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12	Attenuation Of Electromagnetic Waes In Underwater	Satish Kumar. R, Shraddha Surendra, Manoj. N, Arumugam. K, Theertha Anbalagan and Dr. M. Jayakumar	National Conference VcaN 2010	Published
13	Speaker Identification: Comparison between GMM- Multimodel Approach and GMM-UBM Approach	Arun S Nair, Eklavya Mehta, Sujeeth Saravan Raj S, Vijay Rojara and Mr. C. Santhosh Kumar	International Conference on Informatics, Cybernetics and Computer Applications (ICICCA2010), Jain University, Bangalore	Presented
14	Design of Soft Sensor Using Neural Network and SVM	Nivedita Murugan, Rajprasath S, Rajesh H, Raksha J, Santhoshkumar S and Mr. P. V. Sunil Nag	Third National Conference on Global Technologies in Manufacturing and Thermal Sciences - GTMTS 2010	Accepted
15	Stock Market Trend Prediction Using Neuro Fuzzy Hybrid Model	Minuvarthini. M, Sujithra. B, Aravind Hari, Meenakshisundaram L and Mr. Binoy B Nair	XHILARATE 2010	Accepted
16	Fractional Frequency Reuse Techniques to mitigate Inter- cell Interference in OFDMA Systems	Bhagyesh Balakrishnan, Geethu. T. K., Nithin Govindankutty, Priyanka Pradeep, Vishal Karnani, and Ms. S. Kirthiga	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Published
17	Discrete State Space Channel Modeling and Channel Estimation Using Kalman filter for OFDMA Systems	Bhagyesh Balakrishnan, Geethu. T. K., Nithin Govindankutty, Priyanka Pradeep, Vishal Karnani, and Ms. S. Kirthiga	12th ICNVS 2010: Networking, VLSI and Signal Processing.	Published

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18	Spectral and Modulation Features for Text Independent Speaker Identification	Anand. R, Aishwarya. S., Dharshana. G, Kamalesh. S, Ganesh Jayakumar and Mr. C. V. Nagendhiran	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Published
19	Speaker Identification Using Spectral and Modulation Information	Anand. R, Aishwarya. S., Dharshana. G, Kamalesh. S, Ganesh Jayakumar and Mr. C. V. Nagendhiran	National Research Conference on "Challenges and Innovation Technology" CIIT '10	Accepted
20	Robust AM FM Feature and Spectral Feature with Application to Text Independent Speaker Identification	Anand. R, Aishwarya. S., Dharshana. G, Kamalesh. S, Ganesh Jayakumar and Mr. C. V. Nagendhiran	NCVESCO - 2010	Accepted
21	Adaptive RBFNN Using Improvised PSO and SVM for Efficient Classification	T. Arunkumar, R. S. Gopalakrishnan, L. Thaneshwaran, P. Yuvaraj, N. Valliappan and Ms. N. Sathyapriya	International Conference on Innovatice Research in Engineering and Technology	Communicated
22	Self-Growing RBFNN Using Improvised PSO and SVM for Efficient Classification	T. Arunkumar, R. S. Gopalakrishnan, L. Thaneshwaran, P. Yuvaraj, N. Valliappan and Ms. N. Sathyapriya	International Conference on Neural, Parallel and Scientific Computations	Communicated
23	Semidefinite Appraoch to Model Predictive Control	Sidharth. H, Akhilesh. S, Nikhil. M. Nair, Parvahi Namboothiripad, Parvathy Chandran, Sharanya Devi and Dr. K. A. Narayanankutty	National Conference on Trends in Electronics, Instrumentation, Embedded System and Automation	Presented

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24	Fault Detection and Diagnosis of Control Valves Using Wavelets and SVM	Gowri. S, Kaushik Seshadri, Kiruthika. P, Muddada Sowmya, Saaravana Kumar. I and Mr. P. V. Sunil Nag	GTMTS 2010	Accepted
25	Fault Detection and Diagnosis of Control Valves Using Wavelets and Radial Basis Neural Networks	Gowri. S, Kaushik Seshadri, Kiruthika. P, Muddada Sowmya, Saaravana Kumar. I and Mr. P. V. Sunil Nag	Second National Conference on Process Control and Automation PCA 2010	Accepted
26	I/Q Imbalance Compensation And Channel Equalization in OFDM Receivers	Suhaas Bhargava. A, Ravi S, Rishikesh Kamath B, Aishwarya S, Manohj S V and Mr. P Sudheesh	International Conference on Networking, VLSI & Signal Processing - ICNVS '10	Presented
27	Decision directed Channel Estimation And IQ Imbalance Compensation in OFDM Receivers	Suhaas Bhargava. A, Ravi S, Rishikesh Kamath B, Aishwarya S, Manohj S V and Mr. P Sudheesh	Second National Conference on Recent Trends in communication, Computation & Signal Processing, Amrita School of Engineering	Presented
28	Frequency Selective I/Q Imbalance Compensation Ej Channel Equalisation in OFDM Receivers	Suhaas Bhargava. A, Ravi S, Rishikesh Kamath B, Aishwarya S, Manohj S V and Mr. P Sudheesh	First International Conference on VLSI, Communication, Computation and Security (ICVCCS '10)	Presented
29	Real and Reactive Power Measurement of Induction Heating Appliances	Arvind Raj, Chintu, Micky Manoj, Mohankumar, Rakesh, Sharmile and Mr. S. Adarsh	International Conference on Control, Communication and Copmuting (ICCC 2010)	Presented
30	Implementation of Power Measuring Algorithm Using VHDL - AMS	Arvind Raj, Chintu, Micky Manoj, Mohankumar, Rakesh, Sharmile and Mr. S. Adarsh	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Presented

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31	Power Measurement of Induction Heating Appliance Using Mixed Signal Simulation	Arvind Raj, Chintu, Micky Manoj, Mohankumar, Rakesh, Sharmile and Mr. S. Adarsh	International Conference on Convergence of Science and Engineering in Education and Research (ICSE), Dayanand Sagar College of Engg., Bangalore	Presented
32	VHDL-AMS Implementation of Power Measuring Algorithm for Induction Heating Appliance	Arvind Raj, Chintu, Micky Manoj, Mohankumar, Rakesh, Sharmile and Mr. S. Adarsh	International Conference on Control, Communication and Power Engg., (CCPE), Chennai,	Accepted
33	Design and Implementation of VLSI Structure for Wavelet Transform using Multiple Constant Multiplication Algorithm	Aravind Mohan, Manu Krishna, Mithun chandrasekharan, Rahul Rajagopal, Rahul Ranjan, Sreejith Jayachandran and Ms. R. Vidhya Lavanya	Third Conference on Micro/Nano Devices, Structures and Systems (Mindss 2010)	Accepted
34	Design of Soft Sensor Using Radial Basis Function Neural Network	Amulya V Badal, Nivedita. E, Swetha. J, Arjhun. S and Ms. L Vidhya	Second National Conference on Process Control and Automation PCA 2010	Presented
35	Design of Soft Sensor Using Multilayer Perception Neural Network	Amulya V Badal, Nivedita. E, Swetha. J, Arjhun. S and Ms. L Vidhya	Third National Conference on Global Technologies in Manufacturing and Thermal Sciences - GTMTS 2010	Accepted
36	Speaker Identification Using Support Vector Machines	Arun S Nair, Eklavya Mehta, Sujeeth Saravan Raj S, Vijay Rojara and Mr. C. Santhosh Kumar	Second National Conference on Recent Trends in communication, Computation & Signal Processing, Amrita School of Engineering	Presented

Sl. No.	Title of Paper	Author (s)	Conference/Journal	Status
37	Condition Monitoring of Control Valves: A Rough Set Based Approach	Dhanya Babu, Krishna. K.R, Shamin Sebastin, Srirag Kerachan, Nivetha. N and Mr. Binoy B Nair	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Presented
38	Self Growing RBFNN using PSD And SVM for Efficient Classification	Thaneshwaran.L, Arunkumar T, Valliappan N, Yuvaraj P, Gopalakrishnan R S and Ms. N. Sathyapriya	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Presented
39	A PSO Based Adaotive Radial Basis Function Neural Network Using Support Vector Machine	Thaneshwaran.L, Arunkumar T, Valliappan N, Yuvaraj P, Gopalakrishnan R S and Ms. N. Sathyapriya	National Conference on Innovations in Instrumentation and Intelligent Technologies IIIT 2010, Erode senguthar Engg. College	Presented
40	Tensor Scheme Ussing GTDA for EEG Mental Task Classification	M.Ashok kumar, S S Kharhigeyan, L.Naveen, S.Sai Prasanna, Ms. J Rolant Gini and Mr. C. V. Nagendhiran	National Research Conference on Challenges and Innovations in Information Tecnology - CIIT'10	Published
41	Tensor Scheme Ussing GTDA for EEG Mental Task Classification	M.Ashok kumar, S S Kharhigeyan, L.Naveen, S.Sai Prasanna, Ms. J Rolant Gini and Mr. C V Nagendhiran	ICIIC 2010	Accepted
42	Tensor Scheme Ussing GTDA for EEG Mental Task Classification	M.Ashok kumar, S S Kharhigeyan, L.Naveen, S.Sai Prasanna, Ms. J Rolant Gini and Mr. C. V. Nagendhiran	International Conference on Computer Applications	Accepted

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43	Performance of Alamouti Scheme	Rohit Sasidharan Menon, Kiran Sanjeevan, Ponmathavan S, Priya R, Sabareesan M S and Mr. K. Pargunarajan	National Research Conference on Challenges and Innovations in Information Tecnology - CIIT'10	Selected
44	A New Space Time Block Codes with Non Vanishing Determinants	Rohit Sasidharan Menon, Kiran Sanjeevan, Ponmathavan S, Priya R, Sabareesan M S and Mr. K. Pargunarajan	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Presented
45	Simultaneous Evolution of Structure and Weight of Artificial Neural Network Using an Improved PSO Algorithm for Pattern Classification	Viknesh V, Thirukumar R, Venkat Viswanathan, Deepak K V, Bagavathirajan R, Ashish Bhatnagar, Dr. M. Nirmala Devi and Mr. N. Mohankumar	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Published
46	Artificial Neural Network Weight Evolution Using PSO to Solve n-bit Parity Problem	Viknesh V, Thirukumar R, Venkat Viswanathan, Deepak K V, Bagavathirajan R, Ashish Bhatnagar, Dr. M. Nirmala Devi and Mr. N. Mohankumar	International Conference on Recent Advancements in Electrical Sciences	Published
47	Turbo Encoding and Decoding of Reed-solomon Codes	Divyaa M, Priyadharishini M, Rakesh B, Shriram R and Ms. B Yamuna	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Published
48	Turbo Encoding and Decoding of Reed-solomon Codes	Divyaa M, Priyadharishini M, Rakesh B, Shriram R and Ms. B Yamuna	NCTC'10	Presented

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49	Turbo Encoding and Decoding of Reed-solomon Codes	Divyaa M, Priyadharishini M, Rakesh B, Shriram R and Ms. B Yamuna	IEEE paper - ATT'10	Selected
50	Wideband Spectrum Sensing Using Hilbert Huang Transform in Cognitive Radio Networks	Abhijith A Nair, Dilip Soori, Deepak Pradeep T, V Ravi Teja, Vishnu Karthick B and Dr. K A Narayanankutty	CCPE 2010	Accepted
51	Implementation of Runtime Reconfigurable Integer point Multipliers	Arunsubramaniam, Madhavan, Prathyusha, Shriram.M, Vanthana D and Ms. D Gokila	ICSE 2010	Accepted
52	Implementation of Runtime Reconfigurable Integer Point Multipliers	Arunsubramaniam, Madhavan, Prathyusha, Shriram.M, Vanthana D and Ms. D Gokila	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Published
53	Power Measurement of Induction Heating Appliances	Arvind Raj, Chintu, Micky Manoj, Mohankumar, Rakesh, Sharmile and Mr. S. Adarsh	International Conference on Computing , Communication and Networking, ICCCN 2010, Karur	Accepted
54	Direct AD Conversion for Power Measurement Using Second Order Sigma-Delta ADC	Arvind Raj, Chintu, Micky Manoj, Mohankumar, Rakesh, Sharmile and Mr. S. Adarsh	International conference on Intelligent Design and Analysis of Engineering Products, systems and Computation, Srikrishna College of Engg, Copimbatore	Accepted
55	Fault Detection in Induction Motor using WPT and Multiple SVM	B. Aravindh Kumar, G. Saranya, R. Selvakumar, R. Swetha Shree, M. Saranya and Dr. E. P. Sumesh	International Journal of Signal Image Processing and Pattern Recognition published by SERSC	Accepted

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56	Comparison of Bit Error Rate for Propagation Mechanisms of Millimeter Waves in Practical Communication Systems Employing PSK and FSK	Preethi Kumar and Dr. M. Jayakumar	PIERS 2010 in Cambridge	Accepted
57	Propagation Mechanisms of Millimeter Waves	Preethi Kumar and Dr. M. Jayakumar	International Journal of Electronics and Communication Engineering (IJECE)	Accepted
58	Tamil Font Recognition Using Gabor Filters and Support Vector Machines	Ponmathavan. S. Thaneshwaran. L., Valliappan. N., Arun S Nair, Dr. Soman, K.P., and Mr. R. Ramanathan	http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=5375746&isYear=2009	Published
59	Optical Character Recognition for English and Tamil Using Support Vector Machines	Ponmathavan. S. Thaneshwaran. L., Valliappan. N., Arun S Nair, Dr. Soman, K.P., and Mr. R. Ramanathan	http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=5375746&isYear=2009	Published
60	Robust Feature Extraction Technique for Optical Character Recognition	Ponmathavan. S. Thaneshwaran. L., Valliappan. N., Arun S Nair, Dr. Soman, K.P., and Mr. R. Ramanathan	http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=5375746&isYear=2009	Published
61	Generalised and Channel Independent SVM based Robust Decoders for Wireless Applications	Ponmathavan. S., Valliappan. N, Gayathri. M, Priya, Mr. R. Ramanathan and Dr. K. P. soman	http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=5327740&isYear=2009	Published

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62	A Support Vector Machines Approach for Efficient Facial Expression Recognition	Arun S Nair, Vidya Sagar. V, Sriram. N, Mr. R. Ramanathan and Dr. K. P. Soman	http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=5327740&isYear=2009	Published
63	Investigation and Development of Methods to Solve Multi-Class Classification Problems	Rohini. P. A., Dharsana, Mr. R. Ramanathan and Dr. K. P. Soman	http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=5327740&isYear=2009	Published
64	A Novel Technique for English Font Recognition Using Support Vector Machines	Thaneshwaran. L. Viknesh, Arunkumar, P. Yuvaraj, Mr. R. Ramanathan and Dr. K. P. Soman	http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=5327740&isYear=2009	Published
65	Cognitive Radio Sensing Using Hilbert Huang Transform	Abhijith A Nair, Dilip Soori, Deepak Pradeep T, V Ravi Teja, Vishnu Karthick B and Dr. K A Narayanankutty	Second National Conference on Recent Trends in communication, Computation & Signal Processing, Amrita School of Engineering	Presented
66	An Efficient Power Allocation Scheme for MIMO-OFDM Based Wireless LANs	K Karthik, Meera Vijayakumar, B Siddharth, Pravin Kumar B, V Senthil Kumar and Ms. R. Deepa	Second National Conference on Recent Trends in communication, Computation & Signal Processing, Amrita School of Engineering	Published
67	Signal Detection in Software Defined Radar- A Mathematical Approach	Deepthi Maheshwari, J. Madhusudhan, Nandini, Pratyusha, Sowmiya. S. W and Mr. R. Ramanathan	Second National Conference on Recent Trends in communication, Computation & Signal Processing, Amrita School of Engineering	Presented

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68	Analysis of Post Coded OFDM Systems	S Madhuranthagi, M S Karthikeyan, S Brahadeesh, S Karthik, N S Vignesh, N Kathiresan and Mr. P. Sudheesh	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Presented
69	Estimation of Direction of Arrival for Phased Array Antenna Based on Phase Shift Method	Abirami M, Vinay Jain, Rinu Nandakumar Nair, Pavya S, Sudharshan V E, Varadaraju G, Ms. G Prabha and Dr. M Jayakumar	Second National Conference on Recent Trends in Communication, Computation & Signal Processing, Amrita School of Engineering	Presented
70	Application of Hybrid Adaptive Filters for Stock Market Prediction	Manoj Kumar D, Nagendran S, Nareash A, Nishanth R, Ramkumar S and Mr. Binoy B Nair	International conference ICMCM 2010	Accepted
71	Stock Market Trend Prediction Using Decision Tree-Neuro Fuzzy Hybrid Model	Arvind Hari, Meenakshi Sundaram .L, Minuvarthini .M, Mohana Dharani .K, Sujithra .B and Mr. Binoy B Nair	International conference ICMCM 2010	Accepted
72	Implementation of Smart Home Control System Using Software Defined Radio	Deepthi Maheshwari, J. Madhusudhan, Nandini, Pratyusha, Sowmiya. S. W and Mr. R. Ramanathan	International Journal of Adhoc and Ubiquitous Computing	Communicated
73	Application of MIMO-OFDM with Unequal Power Allocation (UPA) in Image Transmission for Fixed Wireless LANs	K Karthik, Meera Vijayakumar, V Senthil Kumar, B Siddharth, Pravin Kumar B and Ms. R. Deepa	National Research Conference on Challenges and Innovations in Information Tecnology - CIIT'10	Published

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74	Application of MIMO-OFDM with Unequal Power Allocation (UPA) in Image Transmission for Fixed Wireless LANs	K Karthik, Meera Vijayakumar, V Senthil Kumar, B Siddharth, Pravin Kumar B and Ms. R. Deepa	Recent Trends in Advanced Computing	Accepted
75	Frequency Selective I/Q Imbalance Compensation and Channel Equalisation in OFDM Receivers	Suhaas Bhargava. A, Ravi S, Rishikesh Kamath B, Aishwarya S, Manohj S V and Mr. P Sudheesh	International Journal of Advance in Communication Engineering	Published
76	JPEG Compressed Image Transmission Using Unequal Power Allocation (UPA) Over MIMO-OFDM systems	K Karthik, Meera Vijayakumar, V Senthil Kumar, B Siddharth, Pravin Kumar B and Ms. R. Deepa	International Conference on the Business and Digital Enterprises	Accepted
77	Unequal Power Allocation (UPA) for JPEG Compressed Image Transmission Over MIMO-OFDM Systems	K Karthik, Meera Vijayakumar, V Senthil Kumar, B Siddharth, Pravin Kumar B and Ms. R. Deepa	International conference for Advanced Computing and Communication (ICACC - 2010)	Accepted
78	JPEG Compressed Image Transmission Using Unequal Power Allocation (UPA) Over MIMO-OFDM systems	K Karthik, Meera Vijayakumar, V Senthil Kumar, B Siddharth, Pravin Kumar B and Ms. R. Deepa	International Conference on Informatics, Cybernetics and Computer Applications (ICICCA2010), Jain University, Bangalore	Accepted