

# International Journal of Information and Electronics Engineering

## CONTENTS

---

---

### Volume 2, Number 3, May 2012

Data Transmission at 12kb/s over 32kb/s ADPCM.....	293
<i>Muhanned AL-Rawi and Muaayed AL-Rawi</i>	
Subjective Age Prediction of Face Images Using PCA.....	296
<i>Hlaing Htake Khaung Tin</i>	
An Effective Method of Security Against Wormhole Attack.....	300
<i>Mohamed Amine Ferrag and Mehdi Nafaa</i>	
TDE-ILD-HRTF-Based 2D Whole-Plane Sound Source Localization Using Only Two Microphones and Source Counting.....	307
<i>Ali Pourmohammad and Seyed Mohammad Ahadi</i>	
EMID: Maximizing Lifetime of Wireless Sensor Network by Using Energy Efficient Middleware Service .....	314
<i>Chandrakant N, Tejas J, Harsha D, P. Deepa Shenoy, Venugopal K R, LM Patnaik, and Vice Chancellor</i>	
EDCA Delay Analysis of Spatial Multiplexing in IEEE 802.11-Based Wireless Sensor and Actuator Networks .....	318
<i>Mohsen Maadani, Seyed Ahmad Motamedi, and Mohammadreza Soltani</i>	
NHEEP: A New Hybrid Energy Efficient Partitioning Approach for Wireless Sensor Network Clustering .....	323
<i>Shahram Babaie, Neda Zekrizadeh, and Solamaz Nobahary</i>	
Implementation of Wavelet Transform-Based Algorithm for Iris Recognition System.....	328
<i>Ayra G Panganiban, Noel B. Linsangan, and Felicito S. Caluyo</i>	
A Novel Scheduling Mechanism Based on Artificial Immune System for Communication between Cluster Head and Cluster Members in WSNs.....	333
<i>Arash Nikdel, Seyed Mahdi Jameii, and Hagar Noori</i>	
Evaluation of Rough Set Theory Based Network Traffic Data Classifier Using Different Discretization Method .....	338
<i>Nandita Sengupta and Jaya Sil</i>	
ASSM: Agent Based Source Specific Multicast Routing Protocol for Wireless Mesh Networks .....	342
<i>Mojtaba Khayat</i>	
A Multi-Factor Scheduling Algorithm for WIMAX Systems.....	347
<i>Ahmed H. El-Shinnawy, Mohamed M. Elgazzar, and Amin M.Nassar</i>	

Dominating Set & Clustering Based Network Coverage for Huge Wireless Sensor Networks.....	352
<i>Mohammad Mehrani, Ali Shaeidi, Mohammad Hasannejad, and Amir Afsheh</i>	
A Hybrid System for Detecting Misbehaving Nodes in Ad Hoc Networks.....	358
<i>Alireza Shahrbanooonezhad, Dina Sadat Jalali, and Ali Harounabadi</i>	
A Strong Encryption Method of Sound Steganography by Encoding an Image to Audio.....	362
<i>V. J. Rehma and M. K. Jeya Kumar</i>	
Semiconductor Die: Processing and Packaging.....	366
<i>Satya Sai Srikant and Rajendra Prasad Mahapatra</i>	
The Performance Analysis of Fast DCT Algorithms on Parallel Cluster Architecture.....	369
<i>Atri Sanyal and Swapna K Samaddar</i>	
ETSHRA: Energy Efficient Threshold Sensitive Hierarchical Routing Algorithm for Cognitive Wireless Sensor Networks.....	374
<i>Shahansha Quadri and Garimella Rama Murthy</i>	
Formal Description of Services Interfaces of SMAL Services in Services Computing Environment.....	379
<i>Amit Bhandari and Manpreet Singh</i>	
Software Tokens Based Two Factor Authentication Scheme.....	383
<i>Manav Singhal and Shashikala Tapaswi</i>	
Secure Migration of Tables across Different Database Management Systems over a Cross-Platform Environment.....	387
<i>Pvnss Krishna Murthy, Surabhi Agarwal, Tulsi Garbyal, and Pavan Chakrobarty</i>	
An UCWW-enabled Mobile Geographic Information System.....	391
<i>Ivan Ganchev, Máirtín O'Droma, and Sachin K. Agrawal</i>	
Design a New Fuzzy Congestion Controller in Wireless Sensor Networks.....	395
<i>M. Samimi, A. Rezaee, and M. H. Yaghmaee</i>	
Identifying the Parameters Affecting Network Coding in Wireless Networks.....	400
<i>Najme Zehra Naqvi, Deepika Jindal, Srishti Ahuja, and Priyanka Singh</i>	
Cyber Crimes: Lessons from the Legal Position of Malaysia and Iran.....	404
<i>Nazura Abdul Manap and Hossein Taji</i>	
Cyber Terrorism: Issues in Its Interpretation and Enforcement.....	409
<i>Nazura Abdul Manap and Pardis Moslemzadeh Tehrani</i>	
Is Database Protected Under Copyright? A Legal Analysis.....	414
<i>Nazura Abdul Manap, Safinaz Mohd Hussein, and Mahmud Zuhdi Mohd Nor</i>	
Design of Framework for Semantic Annotation of Geospatial Data.....	418
<i>Preetam Naik, Madhuri Rao, S. S. Mantha, and J. A. Gokhale</i>	
Bandwidth Management Framework for Multicasting in Wireless Mesh Networks.....	421
<i>Manaswi Saha and P. Venkata Krishna</i>	
A Novel Backoff Algorithm with QoS Support in Heterogeneous Wireless Networks.....	426
<i>A. Rajesh and R. Nakkeeran</i>	

Asymmetric Circular Array Antenna Synthesis Based on Angular Positions.....	431
<i>Mangolika Bhattacharya, Sudipta Das, Durbadal Mandal, and Anup Kumar Bhattacharjee</i>	
Enhanced Object Oriented WBEM Enabled Solution for Non-Homogeneous Network.....	436
<i>M. Mishra and S. S. Bedi</i>	
Cryptanalysis with Ternary Difference: Applied to Block Cipher PRESENT.....	441
<i>Farzaneh Abazari and Babak Sadeghiyan</i>	
Improving ertPS Grant Allocation for VoIP Traffic in Silence Duration.....	446
<i>S. Amir. Hoseini, S. Saed Rezaie, and H. Taheri</i>	
Worm Containment in Gnutella Network with Heterogeneity.....	451
<i>Amir-Reza Niakan-Lahiji and Babak Sadeghiyan</i>	
Multiplierless FIR Filter Implementation on FPGA.....	456
<i>S. M. Badave and A. S. Bhalchandra</i>	
Classification of Rice Leaf Diseases Based on Morphological Changes.....	460
<i>S. Phadikar, J. Sil, and A. K. Das</i>	
Comparison of Different Rule Calculation Method for Rough Set Theory.....	464
<i>Nandita Sengupta and Jaya Sil</i>	
Confidence Factor Variations for Aerial Threat Perception.....	467
<i>M. Anwar-ul-Haq and Shoab A. Khan</i>	
Reduction of Neural Network Training Time Using an Adaptive Fuzzy Approach in Real Time Applications .....	470
<i>Hamidreza Rashidy Kanan and Mahdi Yousefi Azar Khanian</i>	