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applications in Astronomy, Navigation, Aerospace Systems Low noise techniques Optical Fiber Systems Communication Electronics Signal Processing for Wireless Communication. Communications Switching and Routing Physical Layer ISDN Computer Networks Architectural Aspects ATM Networks Protocols Network Architecture Network Reliability Narrow band and Broad band Networks Modern Routing Problems Privacy and Security Problems Queuing Theory and Communications Traffic Problems Wireless and Mobile Computing Communication Systems Integration Cryptology Military Communications Internet Programming Techniques in Communications Networks Simulation Techniques in Telecommunications Software for Communications Development and Simulation Social Implications of Modern Communications Soft Computing and Communications Smart Interfaces Computer/Communications Integration

### **Articles:**

The Correlation Matrix Model of Capacity Analysis in Unmanned Aerial Vehicle MIMO Channel

Authors: Xijun Gao, Zili Chen, Junwei Lv, Yingsong Li

Adaptive Energy Conserve Routing protocol for Mobile Ad hoc Network

Authors: S. Rajeswari, Y. Venkataramani

<u>Design of Optimal Waveforms in MIMO Radar Systems Based on the Generalized Approach to Signal Processing</u>

Authors: Vyacheslav Tuzlukov

TCP-WLAware: Wireless Loss-Aware TCP for IEEE 802.16 Networks

Authors: K. Sakthi Mala, P. Navaneethan

<u>Performance Analysis and Comparison of Spreading Codes in Linear Multi-User Detectors for DS-CDMA</u>
System

Authors: J. Ravindrababu, E. V. Krishna Rao

Performance and Capacity analysis of MIMO system at 5 GHz and 60GHz in Indoor Environment

Authors: S. Kirthiga, M. Jayakumar

Efficient Algorithms for Noise Estimation in Electrical Power Line Communications

Authors: Abdullah Alwadie

<u>A Configurable Floating-Point Discrete Hilbert Transform Processor for Accelerating the Calculation of Filter in Katsevich Formula</u>

Authors: Wang Xu, Zhang Yan, Wang Fei, Ding Shunying

The RAM-based Web Proxy Servers

Authors: Kin-Yeung Wong, Ka-Chon Lai

The Effect of Interference on Bluetooth Data Exchange over WLAN

Authors: M. Abu Shattal, Abdel-Rahman Al-Qawasmi

An SLM based PAPR Reduction Method using New Volterra Predistorter Model in the OFDM System

Authors: Pankaj Kumar Sharma, R. K. Nagaria

Efficient Signal Quality Improvement Approach for Wideband VoIP System in Pervasive Environment

Authors: H. P. Singh, Sarabjeet Singh, Jasvir Singh

An Adaptive Energy Efficient Model for wireless Ad Hoc Networks

Authors: D. K. Lobiyal, Yaser Mahmood A. Hamid

Secured System against DDoS Attack in Mobile Adhoc Network

Authors: Arunmozhi Annamalai, Venkataramani Yegnanarayanan

Secure Communication Method Using Invitation Process in Mobile Ad Hoc Networks

Authors: Masao Tanabe, Masaki Aida

Improving Connectivity and Resilience using ECC based Key Predistribution for Deployment Knowledge based WSN

Authors: R. Kishore, S. Radha, L. Cherlyflar

Analysis of Indoor Wireless Infrared Optical CDMA LAN Using Prime Codes

Authors: R. Kanmani, K. Sankaranarayanan, F. Infant Princy

Adaptive Three-Layer Weighted Links Routing Protocol for Secure Transmission over Optical Networks

Authors: Mohammed Al-Momin, John Cosmas, Saman Amin

QoS Based OVPN Connection Set Up and Performance Analysis

Authors: Santos Kumar Das, Dhanya V. V., Sarat Kumar Patra

**Enhanced Energy Efficient Privacy Provisioning in WSN** 

Authors: Manjusha Pandey, Shekhar Verma

A Novel QoS Aware RWA with Dedicated Path Protection Consideration for All Optical Networks

Authors: K. Ramesh Kumar, R. S. D. Wahida Banu

Real Time Position Location & Tracking (PL&T) Using Prediction Filter and Integrated Zone Finding in OFDM Channel

Authors: Niraj Shakhakarmi, D. R. Vaman

Design of a Quasi-Cyclic LDPC Decoder Using Generic Data Packing Scheme

Authors: Jinlei Chen, Yan Zhang, Xu Wang

Encoding Schemes for Memory Efficient Quasi Cyclic Low Density Parity Check Codes

Authors: Mohammad Rakibul Islam, Syed Iftekhar Ali

One and Two Dimensions Unequally Array Pattern Synthesis with the use of a Modified Particle Swarm Optimization Algorithm

Authors: Hichem Chaker, Sidi Mohamed Meriah, Fethi Bendimerad

Construction Methods of Closed Users Group Using Multi-Party Protocol

Authors: Masao Tanabe, Keita Sugiyama, Masaki Aida

A Two State Proactive Transport Protocol for Satellite Based Networks

Authors: Mohanchur Sarkar, K. K. Shukla, K. S. Dasgupta

Reduced Complexity Max Norm Based PAPR Optimization in OFDM Systems

Authors: M. Palanivelan, Sheila Anand

Interference-Aware Subcarrier Allocation in a Correlated MIMO Downlink Transmission

Authors: Rosdiadee Nordin

A Framework for Configuration and Management of Quality-of-Service (QoS) in Wireless Zigbee Networks

Authors: P. Anitha, C. Chandrasekar

OVSF Code Slots Sharing and Reduction in Call Blocking for 3G and Beyond WCDMA Networks

Authors: Davinder S. Saini, Vipin Balyan

<u>Iterative Multicarrier Detector and LDPC Decoder for OFDM Systems</u>

Authors: Shu-Ming Tseng, Yueh-Teng Hsu, Yi-Rung Peng

Analysis of Subcarrier and Antenna Power Allocation for MIMO WPMCM System with Sphere Decoder

Authors: R. Deepa, K. Baskaran

A Cost Effective Approach for WDM Network Protection under Critical Duct Constraints

Authors: D. Sheela, C. Chellamuthu

<u>Code Scattering and Reduction in OVSF Code Blocking for 3G and beyond Mobile Communication Systems</u>

Authors: Neeru Sharma, Davinder S. Saini

A New Adaptive Model for Throughput Enhancement and Optimal Relay Selection in IEEE 802.16j
Networks

Authors: D. Satish Kumar, N. Nagarajan

Synchronization and Cell Search Algorithms in 3GPP Long Term Evolution Systems (FDD mode)

Authors: Abdo N. Gaber, Loay D. Khalaf, Ahmad M. Mustafa

An Integrated Cross Layer Approach for Multimedia Streaming using Multipath and Multiple Description Coding in Mobile Ad-Hoc Networks

Authors: N. Gomathi, P. Seethalakshmi, A. Govardhan

Video Multicast Over Wireless Ad Hoc Networks

Authors: Osamah S. Badarneh, Michel Kadoch

<u>IPSD: New Coverage Preserving and Connectivity Maintenance Scheme for Improving Lifetime of Wireless Sensor Networks</u>

Authors: A. Balamurugan, T. Purusothaman

# <u>Low-Energy-Transmission of Data on Submicron Interconnects</u>

Authors: A. Mahdoum, L. Hamimed, M. Louzri, M. Saadaoui

<u>Cross-layer Packet Dependent OFDM Scheduling Based on Proportional Fairness</u>

Authors: Hua Hou, Gen-Xuan Li