

Design and Implementation of a Frequency Hopping Spread Spectrum System based on FPGA

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Optimization Technique Based on Genetic Algorithm for Cognitive Relay Networks

Ban Khalid Ammar



A NOVEL DESIGN AND ANALYSIS STUDY OF OPTICAL MICROSTRIP NANOANTENNA

Bassam Raoof Mohammed Ali



DESIGNING OPTICAL FIBER TO THE HOME (FTTH) NETWORKS BY USING HYBRID TECHNIQUES

Haidar S. Zaeer Dhaam



DESIGN AND PERFORMANCE EVALUATION OF HORN NANOANTENNAS FOR MODERN APPLICATIONS

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ENHANCEMENT OF TWINS FETUSES ECG SIGNAL EXTRACTION BASED ON MODIFIED STONE BLIND SOURCE SEPARATION TECHNIQUE

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Energy Harvesting Analysis Using Relay Protocols for Wireless Information Process

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Investigation the Performance of Underwater Optical Wireless Communication Under Impacts of Different Modulation Schemes and MIMO Configuration

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Vehicle Speed Control Based on IoT

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Enhancement of Microstrip Antenna using Fractal Metasurfaces

Noor Fadhel Habib



NEW TECHNIQUE FOR RELIABLE POWER MANAGEMENT OF MICROGRID BASED ON IOT

Noor Saleh Mohammed



Design of Substrate Integrated Waveguide Antennas for Wireless Communication Systems

Rand Muwafaq Hadi



ADAPTIVE GAIN SCHEDULING BASED CONTROLLER FOR NETWORK CONTROL SYSTEMS

Rasha Shamit Salman



WIRELESS AND IMAGING APPLICATIONS ANTENNA BASED ON METASURFACE MODIFIED DESIGNS

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Enhancement the Detection Performance for the Primary User Traffic in Cognitive Radio Networks

Akil Hassan Hamied



AUTOMATIC EPILEPTIC SEIZURE DETECTION IN EEG BASED ON AN EFFICIENT MACHINE LEARNING TECHNIQUE

AMAL SALMAN ABDULHUSSEIN



**ORBITAL ANGULAR MOMENTUM
PHENOMENA BASED MICROWAVE
ANTENNA ARRAY DESIGN**

**MUSTAFA ABDULMAHDI MOHAMMED
HASAN**



DEPLOYMENT OF SEAMLESS HANDOVERS IN MOBILE WIMAX NETWORKS

HUDA HASSAN SAHEB



EEG SIGNALS SEPARATION USING BSS TECHNIQUES

Safaa Mahmood Hamad



SCALABLE MILLIMETER WAVE ANTENNA ARRAY DESIGN WITH BEAMFORMING CAPABILITIES FOR 5G APPLICATIONS

Amjad Abdulsatar Maseer



OPTIMAL PLACEMENT OF CLUSTER HEAD IN TRANSMIT ONLY WIRELESS SENSORS NETWORKS

ZAHRAA HAMMODI BAQER



DUAL-BAND RF ENERGY HARVESTING RECTENNA DESIGN WITH OMNI- DIRECTIONAL RADIATION PROPERTIES

MARWA JASIM MOHAMMED



NEW APPROACH OF HIGH-POWER RF ENERGY HARVESTING SYSTEM BASED ON BEAMFORMING TECHNIQUE

SARAH MOHAMMAD ALIWI



DESIGNING AND IMPLEMENTATION OF SMART HOME MONITORING SYSTEM

MUSTAFA ASAAD OMRAN



DESIGN AND SIMULATION OF OPTICAL LOGIC GATES BASED ON DIFFERENT PLASMONIC WAVEGUIDES FOR OPTICAL COMMUNICATIONS

WISSAM ABED JASIM AL-ETHARI



**INTERFERENCE SOURCES
IDENTIFICATION FOR ETHERNET
CABLE IN ELECTROMAGNETICALLY
NOISY ENVIRONMENTS BASED ON
BLIND SOURCE SEPARATION
TECHNIQUES**

AMEER THABIT RASHEED HADI



INDOOR MIMO – OPTICAL SYSTEM USING LASER DIODES ANGLE DIVERSITY RECEIVER WITH OFDM TECHNIQUE

Halla Kadhem Mohammad



Performance Enhancement of Non-Orthogonal Multiple Access (NOMA) Based on Optimization Techniques

AHMED JASIM MOHAMMED YOUNIS



SECRECY PERFORMANCE ANALYSIS OF THE FSO LINK FOR THE COMMUNICATION SYSTEMS

**RUWAIDA ABDUL AMEER ABDUL
KAREEM**



DESIGN AND SIMULATION OF FLIGHT CONTROL SYSTEM FOR PARROT MINI DRONE

ESRAA HADI KADHIM



DESIGN AND IMPLEMENTATION OF NONRECIPROCAL REFLECTION- LESSRADIO FREQUENCY SYSTEM

BAHAA HAMZAH JASIM



PERFORMANCE ENHANCEMENT OF DOUBLE GAIN CHAIN FIBER LASER

HAIDER YAHYA SAEED



ERROR CORRECTION ENHANCEMENT FOR OFDM COMMUNICATION SYSTEM

**MAYS ALREEM AMER MAHMOOD
CHABOK**



CONVOLUTIONAL NEURAL NETWORKS BASED ON NON LINEAR FREQUENCY ESTIMATOR

RANA HASAN JAFAR MOHAMED



ENHANCED DETECTION OF COVID-19 USING FUZZY LOGIC AND INDEPENDENT COMPONENT ANALYSIS TECHNIQUES

MOHANAD SAREM ABDULLAH



PLANNING OF SMALL CELL BASE STATIONS USING GENETIC ALGORITHM

MURTADHA HASSAN NAJI



DESIGN AND SIMULATION AN ABSORBER BASED ON FRACTAL GEOMETRY IN X- BAND APPLICATIONS

WASSAN HASSAN YASEEN



Design and Implementation of Microstrip Fractal Band Pass Filter with Metamaterial Performance

Mohammed Yaqoob Yousif



OPTIMAL TARGET DETECTION AND TRACKING VIA WSN NETWORKS

MARWAH ADEEB DHAHIR

