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Editorial

In the world of latest technologies, ZnO thin film with an aim to employ in opto-electronic applications were prepared using sol-gel dip-coating method and thereafter sintered at 500°C. The film has been investigated by XRD, SEM, UV-Vis and photoluminescence spectroscopy for physical and optical properties of ZnO thin film.

Organic Thin Film Field-Effect transistors (OTFTs) are particularly interesting as their fabrication process is much less complex compared with conventional Si technology, which involves high-temperature and high-vacuum deposition processes and sophisticated photolithographic patterning methods..

A Bragg fiber is usually designed to minimize the leakage for some particular mode. Again, we have the problem of leakage due to finite number of claddings. As a result, some higher-order undesired modes may be supported by the same Bragg fiber with larger attenuation coefficients.

The study of microstrip patch antennas has made great progress in recent years. Compared with conventional antennas, microstrip patch antennas have more advantages and better prospects. They are lighter in weight, low volume, low cost, low profile, smaller in dimension and ease of fabrication and conformity. HFSS which stands for high-frequency structure simulator is used to simulate the proposed design.

In today's world automation is playing important role in each and every individual's life. Every individual wants to get the work done fast, save time, put less efforts and make things more and more easy. Smart Home Automation is a way to have things around your home in an automatic fashion. This will automatically save time that too with less efforts. The purpose of this research paper is to build a system to control all the home appliances through smart phone. The user can increase or decrease the speed of fan, turn on or switch off light and many more applications at home through smart phone or tablet. So, this is implemented using Wi-Fi, and relay.

Wireless sensor networks are networks of devices with restrained resources, used for environmental, military, automation and home applications. Radio transceiver is one of the biggest power consumers in sensor node, so its usage need to be very efficient in order to maximize node's operational life. The use of nanotechnology in cancer treatment offers some exciting possibilities, including the possibility of destroying cancer tumors with minimal damage to healthy tissue and organs, as well as the detection and elimination of cancer cells before they form tumors.

Routing protocol is the part of network layer that is responsible for deciding the route of data packets from source node to destination node. MANET is a network of mobile nodes with wireless radio interface. The IEEE 802.16 Wi-Max (World Wide Interoperability for Microwave Access) standard is based on global interoperability and is an emerging technology that delivers high speed wireless broadband at much lower cost to the area covering large distance than the cellular services and the Wi-Fi network.

Electrocardiogram (ECG) is a noninvasive, easy to perform, low cost test and important bioelectrical signal used to assess the cardiac state of a person. The comparison was carried out by testing them against a standard CSE database. Fast convergence and more precision in feature recognition were the key features found in the used approaches.

Preface

Dear Researchers,

We take this opportunity to welcome you all to the Volume No 6, Issue No. 2 of International Journal of Communications & Electronics (KIET - IJCE). This journal will provide a forum for in depth and substantial discussions on the theory, design and implementation of the emerging technologies in Communications, Networking, Microwave and Electronics techniques, thus providing solutions and strategies for business resilience.

It gives us an immense pleasure to have an amalgam of researchers from the fields of Communication Engineering, Electronics, and related technologies. The purpose of the Journal is to provide a platform to foster interdisciplinary communication among the delegates and to support the sharing process of diverse fields in various concepts and principles related to these domains.

Our appreciation also goes to entire team whose dedication and timeless efforts have gone for number of days for the second issue of the Journal.

Editors



Message

I am delighted to note that the Department of Electronics and Communication Engineering, KIET Group of Institutions, Ghaziabad is introducing Volume No 6, Issue No. 2 of International Journal of Communications and Electronics (KIET - IJCE).

I appreciate the efforts on the part of the Editorial Committee in bringing out an issue on Communications, Networking, Microwave and Electronics techniques.

I understand that the papers contributed for publication in the Volume No 6, Issue No. 2 are on almost all the current aspects of Communication Systems, Electronics systems, Microwave Engineering, Signal Processing & Applications, Networking Technologies and several others.

I have great pleasure in congratulating the Editors of this issue of KIET - IJCE for their untiring efforts in bringing out this sixth Volume No 6, Issue No. 2 of KIET-IJCE which will be a valued treasure for all who pursue research in Communications, Networking, Microwave and Electronics Engineering areas.

Let me close with warmest regards.

Dr. (Col) A Garg
Director
KIET



It is our pleasure that KIET is releasing the sixth volume of International Journal of Communications and Electronics (KIET - IJCE). Education is the base for building a good nation and we feel proud to be the contributor of such transformational nation.

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Dr Manoj Goel
Joint Director
KIET



Message

It gives me immense pleasure in writing this foreword for the Volume No 6, Issue No.2 of the KIET International Journal on Communications and Electronics (KIET - IJCE). This journal is targeted towards researchers, professionals, educators and students to share innovative ideas, issues, recent trends and future directions in the fields of Electronics and Communication Engineering.

The Volume No 6, Issue No. 2 of the journal KIET-IJCE includes papers on the theory, design and implementation of the emerging technologies in the field of Communications, Networking, Microwave and Electronics techniques. Furthermore, it will enable the researchers in various domains to foster the exchange of concept, prototypes, research ideas and the results of research work which could contribute to the academic arena and also benefit business and industrial community.

Dr. Sanjay Sharma
Editor – in - chief
KIET - IJCE

