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KIET International Journal of Communications & Electronics

VOLUME 5, FIRST ISSUE, JAN-JUNE 2017,
ISSN:2320-8996



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Editorial

Do you think about the wireless future of our planet? The rate at which technology is expanding isn't a surprise. The world today can easily be termed as the "GADGET WORLD", given the astonishingly high rates at which gadgets are being developed, manufactured, and ultimately exploited by the end users. This issue will give an idea consisting of some of the new technology supporting wireless world. The technologies like Sixth sense, IOT, LiFi, GiFi, NFC, wireless power transmission, EnOcean tech etc has been developed in the recent years. If these technologies would be supported the time is very soon where you would see the world without cables and power cords.

Cloud computing is an information technology (IT) paradigm that enables ubiquitous access to shared pools of configurable system resources and higher-level services that can be rapidly provisioned with minimal management effort, often over the Internet. Cloud computing relies on sharing of resources to achieve coherence and economies of scale, similar to a public utility. Cloud Computing supports Hadoop framework to process BigData in parallel. Hadoop has certain limitations that could be exploited to execute the job efficiently. H2Hadoop is an enhanced Hadoop architecture that reduces the computation cost associated with BigData analysis. It addresses the issue of resource allocation in native Hadoop, also it provides an efficient data Mining approach for Cloud Computing environments.

The onset of the Information Age is associated with the Digital Revolution. Digital games are non-linear, interactive, and participatory entertaining activities played on consoles, computers, mobile phones and other digital devices. A game is combination of game art and game logic. There are some integral elements of a game such as graphics and animation, interactivity, user interface, game play, sound etc. Elements of games for mobile games are different. An investigation which element of game is important to what extent for common gamers, a study done on a group of students of a class studying Animation and Multimedia and Digital Games. This will help game designers to understand the mindset of Indian gamers and help in developing more successful games.

Researcher have done lots of investigation in the area of robotics and wireless sensor network (WSN) independently, but if integrate this two areas then it would support to lots of application such as underwater, disaster management, nuclear power station, space exploration, military, healthcare etc. We can use robot to solve number of problems of wireless sensor network just like a localizing of nodes, and also robot can used as a data mules for aggregating data from different sensor nodes. We can also build a wireless sensor network using autonomous mobile robots instead of sensor node; the use of mobile robots gives accurate positioning. Received signal strength is used to get accurate position of mobile robots. Along with power requirement of WSN this approach makes a sense.

Preface

Dear Researchers,

We take this opportunity to welcome you all to the Volume No 5, Issue No. 1 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 5, Issue No. 1 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 5, Issue No. 1 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 third Volume No 5, Issue No. 1 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. Anil Ahlawat
Director
KIET



Message

It gives me immense pleasure in writing this foreword for the Volume No 5, Issue No.1 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 5, Issue No. 1 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
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