



Editorial-Announcement

Abstract:

Journal of Electrical Engineering and Electronic Technology is a peer-reviewed scholarly journal in the field of electrical engineering and electronics that aims to publish the most complete and reliable source of information on the discoveries and current developments in the mode of research articles, review articles, case reports, short communications, etc. in all areas of electrical engineering and electronics and making them accessible online freely without any restrictions or any other subscriptions to researchers worldwide.

Journal of Electrical Engineering and Electronic Technology focuses on the topics include, but are not restricted to: Microelectronics, Electrical technologies, Renewable Energy, Electrical circuits, Audio and video technology, Wireless sensors, Nano electronics, Electrostatics, Signal processing, Digital appliances, Communication systems, Wireless and Mobile Communications, Radio Communication, Power systems, Embedded systems, Semiconductor devices, Analogue circuits, Microwave techniques, Sensors, Robotics, Automotive electronics, Electromagnetic systems, Industrial electronics, VLSI, Optoelectronics.

*official 2016 Journal Impact Factor was established by dividing the number of times the 2014 and 2015 published articles cited in 2015 according to Google search and the Scholar Citation Index database with the number of articles published in 2014 and 2015. If 'X' is the total number of articles published in 2014 and 2015, and 'Y' is the number of times these articles were cited in indexed journals during 2015 then, impact factor = Y/X .

Dielectrics and Electromagnetics

A dielectric is an electrical insulator that can be polarized by an applied electric field. When a dielectric is placed in an electric field, electric charges do not flow through the material as they do in a conductor, but only slightly shift from their average equilibrium positions causing dielectric polarization.

Power and Energy system

In physics, power is the rate of doing work. It is equivalent to an amount of power consumed per unit time. In the SI system, the unit of power is the joule per second (J/s), known as the watt in honour of James Watt, the eighteenth-century developer of the steam engine. The integral of power over time defines the work performed. Because this integral depends on the trajectory of the point of application of the force and torque, this calculation of work is said to be path dependent.

Power Electronics and Drives

Power electronics is the application of solid-state electronics to the control and conversion of electric power. It also refers to a subject of research in electronic and electrical engineering which deals with the design, control, computation and integration of nonlinear, time-varying energy-processing electronic systems with fast dynamics.

Control Systems

A control system is a device, or set of devices, that manages, commands, directs or regulates the behaviour of other devices or systems. Industrial control systems are used in industrial production for controlling equipment or machines.

Sensor Networks

A Wireless Sensor Network (WSN) are spatially distributed autonomous sensors to monitor physical or environmental conditions, such as temperature, sound, pressure, etc. and to cooperatively pass their data through the network to a main location. The more modern networks are bi-directional, also enabling control of sensor activity.

Nano Electronics

Nano electronics refer to the use of nanotechnology in electronic components. The term covers a diverse set of devices and materials, with the common characteristic that they are so small that inter-atomic interactions and quantum mechanical properties need to be studied extensively.

Remote sensing and Space systems

Remote sensing is the acquisition of information about an object or phenomenon without making physical contact with the object and thus in contrast to on site observation. Remote sensing is a sub-field of geography. In modern usage, the term generally refers to the use of aerial sensor technologies to detect and classify objects on Earth.

Electrical Machines and Transformers

Electric machines are the study of electric motors and electric generators. Electric machine is synonymous with electric motor or electric generator, all of which are electromechanical energy converters: converting electricity to mechanical power (i.e., electric motor) or mechanical power to electricity (i.e., electric generator). The movement involved in the mechanical power can be rotating or linear. The electrical machines and transformers holds the topics such as AC motor and DC motor, AC Generator and DC generator, Power and Distribution Transformers, Step up and Step down Transformer. Although transformers do not contain any moving parts they are also included in the family of electric machines because they utilize electromagnetic phenomena.

Wireless Sensor Network

A wireless sensor network are spatially distributed autonomous sensors to monitor physical or environmental conditions, such as temperature, sound, pressure, etc. and to cooperatively pass their data through the network to a main location. The more modern networks are bi-directional, also enabling control of sensor activity. The development of wireless sensor networks was motivated by military applications such as battlefield surveillance, today such networks are used in many industrial and consumer applications, such as industrial process monitoring and control, machine health monitoring, and so on.