Name of Journal: JOURNAL OF POWER ELECTRONICE (JPE)

Name of Publisher: IAEME Publications

Other Details: Volume 6, Issue 2, July - December (2020)

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AIM AND SCOPE

Journal of Power Electronics (JPE) is an international journal that publishes original research papers in the fields of Electronics and Communication Engineering and technology and its related disciplines. Areas included (but not limited to) are electronics and communications engineering, electric energy, automation, control and instrumentation, computer and information technology, and the electrical engineering aspects of building services and acrospace engineering, Journal publishes research articles and reviews within the whole field of electronic and communication engineering, new teaching methods, curriculum design, assessment, validation and the impact of new technologies and it will continue to provide information on the latest trends and developments in this ever-expanding subject JPE publishes original papers in experimental and theoretical aspects of electronics and communication engineering. The wide scope encompasses analogue and digital circuit design, microwave circuits and systems, optoelectronic circuits, photovoltaics, semiconductor devices, sensor technology, transport in electronic materials, VLSI technology and device processing. The journal also recognizes the importance of emerging technologies and encourages papers on new areas, such as electronics for micromachines, mesoscopic devices, molecular electronics, superconducting electronics and vacuum microelectronics. All published research articles in this journal have undergone rigorous peer review, based on initial editor screening and anonymous refereeing by independent expert referees.

TOPIC OF INTEREST

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- Signal and system theory, digital signal processing
- Network theory and circuit design
- Information theory, communication theory and techniques, modulation, channel coding
- Switching theory and techniques, communication protocol
- Optical communications
- Microwave theory and techniques, radar, sonar
- Antennas, wave propagation
- Measurement and instrumentation; circuit design, Simulation and CAD
- Signal and image processing, coding: microwaves, antennas and radio propagation . Optoelectronics; TV and sound broadcasting; telecommunication networks; radio and satellite communications; radar, sonar and navigation systems; electromagnetic compatibility.