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Editorial Open Access

Inspiring Future Technology

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Editorial

The new technology nowadays is based on smart systems, includes smart energy, smart grid, smart home, smart phone, smart plant irrigation system and smart technology. All are applicable to many medical, engineering, educational, shopping, banking, booking travel or hotels, commercial systems and devices. These are almost based on control and optimization programing algorithms and logic process which lead to time saving, energy saving, friendly use and cost effective. Most of these technologies are running online and wirelessly by the cellular phone in monitoring the measurements of the variables and to control the system or appliance by touching button and sending signals.

The Global Journal of Technology and Optimization GJTO is planning in the coming volumes and issues to publish high quality peer reviewed papers online on the new technology developments that require investigation and more researches to obtain the smarter design and operation to provide high quality features with the lowest cost. The journal encourages the researchers to submit articles containing the detail algorithms for programming included in software, design logic transmitted and receiving properties included in hardware, and investigate the optimum results benchmarking with other developments. This way may give opportunity to the researchers for challenging the more advanced systems and improving the existing systems in relation to smart technology that document the development using industrial and systems engineering tools and techniques including information systems, work measurement, human factors applications, and safety control.

High quality submissions that advance the research and that contribute additional topics to the literature on smart technology are encouraged. The special focus of the GJTO forum is to publish ground-breaking applications and applied research results.

The target audience of the journal will be composed of professionals and researchers working in the fields of technology and optimization in various disciplines. Unpublished papers and extended versions of papers presented at conferences can be submitted for possible publication in the journal. Technical papers, white papers and experience reports are also welcome for evaluation in GJTO.

The platform is the aim for all researchers, engineers, practitioners, academicians, students and industrial professionals publish their research results and development activities in the area of technology and its optimization techniques. Researchers will give the optimum materials in these areas since many engineers, scientists, finance, business and economists suffer from a problem of developing a system that can cope with variations of system or control parameters, measurements uncertainty and complex multi-objective optimization criterion. The need for a prior knowledge and the inability to learn from past experience make the design of robust, adaptive and stable systems a difficult task.

The journal planning to emphasize on the smart systems such as medical wearable sensors with smart control to help the patients and elders, wireless automated robot and monitoring and control the plant atmosphere to help farmers, far distance monitoring and control of vehicle meters, home meters and appliances, smart control of power grid and power distribution with renewable energy systems for energy saving purpose, and smart prototype machines and small devices for education purpose to help the school teachers since text book or logbook are now considered old fashion. In all these applications researches are advised to find the optimum quality, optimum cost, user friendly, reliable and stable.

GJTO is planning to work closely with hybrid technology conferences, power control and optimization conferences, lab safety conferences, and science, technology, engineering and mathematics (STEM) state incorporator based in Perth, Australia. These conferences are held once a year in different places all over the world, and GJTO editorial board ask the researcher to participate in these conferences to have some important ideas on advanced technology from the exhibition booths and presenters.