

5th IEEE International Conference on Intelligent Green Building and Smart Grid

IGBSG2021 @ Virtual-Mode

25 – 26 August 2021



Role of Electrical & Electronics Engineering Towards Sustainable Development #IGBSG2021

The 5th International Conference on Intelligent Green Building and Smart Grid (IGBSG 2021) will be conducted in Virtual-Mode on 25 – 26 August 2021. The objective of IGBSG 2021 is to provide a forum for presenting and discussing the latest developments in building/home communication technologies, e-applications, and green building technologies for a wide range of uses in intelligent buildings and smart grids. In addition to submitted papers, speakers will be invited from academia, industry, and government agencies to present novel technologies and products that address these topics. On-sited demos will be held from companies and research organizations involved with IGBSG-related activities.

Papers are called for **both oral presentations** from topics including (but not limited to) power electronics, communications, e-applications, green building and smart-grid technologies of interest to researchers, service providers, consumer electronics manufacturers, or network-solution implementers who develop products, provide quality customer service, support end users, and provide energy-management solutions for the intelligent buildings and smart-grid market. Submitted papers should be in **maximum 6 pages** following the standard IEEE conference paper format. All presented papers will be included in **IEEE Xplore Digital Library** and submitted to **SCOPUS** and **ISI** for indexing.

Green Building & Smart Grid

- Green energy and smart grid for buildings
- Status of green buildings and smart-grids
- Intelligent and green lighting technologies
- Electric vehicles and components
- Renewable energy research and applications

Building & Home Communication Technologies

- Ubiquitous building/home network access
- Radio propagation and channel modeling
- MIMO communications and smart antennas
- Cognitive radios and software defined radios
- Signal processing for digital communication

Power Electronics Technologies E-Applications & Related Technology

- Machine design and motor drives
- Power-electronic devices and systems
- Switching power supplies
- Power integrated circuits
- Power electronics for energy saving

- Distributed home multimedia & entertainment
- Building and home security & safety systems
- Intelligent and flexible in-home displays and interfaces

Wireless Power Technologies & Applications

- Wireless power transfer systems for EVs
- Issues related to wireless power transfer technologies
- Wireless power charging of electronic gadgets (smart phone, laptop, etc.)
- Microwave Power Transmission

Emerging Technologies For Healthcare & Biomedical Applications

- Bio-electronic devices and systems
- Telemedicine and remote monitoring
- Homecare, healthcare, and e-health
- Biomedical systems and applications

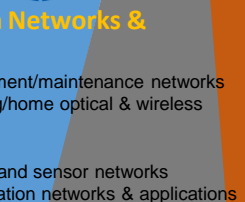
Communication Networks & Applications

- Building management/maintenance networks
- Intelligent building/home optical & wireless tech
- Multiple access
- Ad hoc networks and sensor networks
- Green communication networks & applications

Organizer



Technical Sponsors



Important Dates

30 April 2021
Manuscript submission deadline

Early June 2021
Acceptance notification

15th July 2021
Advanced registration deadline

Contact Us



<http://umevent.um.edu.my/IGBSG2021>

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Address

Social Event

Website,
Submission &
Registration

Email

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Social events include a reception party, a banquet and technical tours in University of Malaya Campus and Kuala Lumpur City.

