

# The 2019 International Conference on Intelligent Green Building and Smart Grid (IGBSG 2019)

6-9 September, Yichang, China

Web site: <http://igbsg.ctgu.edu.cn> (under construction)

## Call for Papers



### Organizers:

China Three Gorges University

### Financial/ Technical Sponsors:

- IEEE IAS
- IEEE IAS Taipei Chapters
- China Three Gorges University
- National Taiwan University of Science and Technology
- Taiwan Power Electronics Association



### Supporters:

National Natural Science Foundation of China



The 4th International Conference on Intelligent Green Building and Smart Grid (IGBSG 2019) will be held at China Three Gorges University in Yichang, China on 6-9 September 2019. The objective of IGBSG 2019 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-site demos will be held from companies and research organizations involved with IGBSG-related activities.

Papers are called for both oral and poster presentations of topics on 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 two to four pages in length and should follow the standard IEEE conference paper format. Papers presented in conference will be included in IEEE Xplore Digital Library (under application).



Conference areas of interest include (but not limited to):

<ul style="list-style-type: none"> <li>● Green building and smart-grid technologies                             <ul style="list-style-type: none"> <li>○ Green energy and smart grid for buildings</li> <li>○ Status of green buildings and smart-grids</li> <li>○ Intelligent and green lighting technologies</li> <li>○ Electric vehicles and components</li> <li>○ Renewable energy research and applications</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● Power electronics technologies                             <ul style="list-style-type: none"> <li>○ Power electronics for energy saving</li> <li>○ Machine design and motor drives</li> <li>○ Power-electronic devices and systems</li> <li>○ Switching power supplies</li> <li>○ Power integrated circuits</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● Building and Home Communication Technologies                             <ul style="list-style-type: none"> <li>○ Ubiquitous building/home network access</li> <li>○ Radio propagation and channel modeling</li> <li>○ MIMO communications and smart antennas</li> <li>○ Cognitive radios and software defined radios</li> <li>○ Signal processing for digital communication</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● Communication Networks and Applications                             <ul style="list-style-type: none"> <li>○ Building management/maintenance networks</li> <li>○ Intelligent building/home optical and wireless technologies</li> <li>○ Multiple access</li> <li>○ Ad hoc networks and sensor networks</li> <li>○ Green communication networks and applications</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>● Emerging technologies for healthcare and biomedical applications                             <ul style="list-style-type: none"> <li>○ Bio-electronic devices and systems</li> <li>○ Telemedicine and remote monitoring</li> <li>○ Homecare, healthcare, and e-health</li> <li>○ Biomedical systems and applications</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● e-Applications and related technology                             <ul style="list-style-type: none"> <li>○ Distributed home multimedia and entertainment</li> <li>○ Building and home security and safety systems</li> <li>○ Intelligent and flexible in-home displays and interfaces</li> </ul> </li> </ul>



### Author's Schedule

Prospective authors should note the following deadlines:

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|---|-----------------------|
| ● <b>Manuscript submission deadline</b> | <b>Jan. 30, 2019</b>  |
| ● <b>Acceptance notification</b>        | <b>March 10, 2019</b> |
| ● <b>Advanced registration deadline</b> | <b>April 10, 2019</b> |

### Exhibition

A comprehensive exhibition will be held during the conference. Exhibitors will include participants from commercial firms and organizations involved in the manufacturing, sales or distribution of power-electronic equipments and professional or technical services.

### Social Events

Social events include a reception party, a banquet, and technical visits.

### For further information, please contact

IEEE IGBSG 2018 Conference Secretary

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