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CALL FOR PAPERS

2016 First International Conference on Sustainable Green Buildings and Communities (SGBC)

December 18-20, 2016

IIT – Madras, Chennai, India

Our ability to generate, store, and utilize DC electricity locally from clean and sustainable energy sources without the need for long-range transmission and distribution system enables the possibility for transformational changes in the electric utility and transportation infrastructures. The use of DC electricity enhances system-wide efficiency and reduces the overall cost. DC and hybrid microgrids powered by distributed clean energy sources such as wind and solar PV systems can rapidly contribute to human development around the world, and especially in emerging economies. Likewise, electric vehicles powered with clean energy technologies have the potential to dramatically impact the impending global climate changes. Papers are especially solicited on the following topics related to the development of net-zero energy green buildings and communities:

- Performance analysis and optimization
- Condition monitoring and energy management
- Reliability and resiliency analyses
- Net zero energy system concepts
- DC and hybrid DC/AC power systems
- Distributed energy systems
- DC-powered appliances
- Electric vehicle technologies – power train, battery charging and intelligent systems
- Power electronics and control
- Advanced solid-state switching technology
- Storage Technology
- Smart metering
- Manufacturing & cost reduction approaches
- Protection schemes
- Standards and policies
- Societal implications

The conference will consist of both oral presentations and poster sessions. Also planned are panel sessions, short courses and vendor shows. Accepted papers will be submitted for inclusion into *IEEE Xplore*.

Deadline for 2-page extended abstract submission: ~~July 15, 2016~~ **Aug 15, 2016 (Extended date)**

Notification of acceptance/rejection decision: ~~August 15, 2016~~ **September 15, 2016**

Deadline for 6-page digest submission: ~~October 15, 2016~~ **October 25, 2016**

Papers will be submitted Online through conference website. For more information, please check the Conference website: <http://www.sgbccconf.org>

Hotel Reservations: TGH, IIT Madras
Ginger, IITM Research Park

BGH, IIT Madras
Grant GRT Hotels

Questions pertaining to SGBC 2016 may be addressed to:

General Chairs: Dr. Ashok Jhunjhunwala, IIT Madras; Email: ashok@tenet.res.in
Dr. Krishna Shenai, NMAM Inst. Tech.; Email: kshenai@nitte.edu.in

For any other queries please contact: info@sgbccconf.org