



CALL FOR PAPERS: The Eighth International Green and Sustainable Computing Conference (IGSC'17)

www.green-conf.org

October 23-25 2017, Orlando, Florida

IGSC'17 provides a forum for presenting and discussing innovative research on a broad range of topics in the fields of sustainable and energy-efficient computing and computing for a more sustainable planet. The conference consists of technical papers, panels, workshops, PhD Forum, and tutorials on these topics. IGSC'17 is technically co-sponsored by the IEEE Computer Society. Topics of interest include, but are not limited to:

Green Computing

- Power- and thermal-aware algorithms, software and hardware
- Low-power electronics and systems
- Power-efficient multi/many-core chip design
- Application-specific ASICs and FPGAs
- Sensing and monitoring
- Power and thermal behavior and control
- Data centers optimization
- Smart grid and microgrids
- Power-efficient delivery and cooling
- Reliability, life-cycle analysis of IT equipment

Computing for Sustainability

- Renewable energy models and prediction
- Matching energy supply and demand
- Smart transportation and electric vehicles
- Smart buildings and urban computing
- Energy harvesting, storage, and recycling
- Climate and ecosystem monitoring
- IT solutions for water quality, air pollution, and sustainable agriculture
- Computational models for epidemics, infectious diseases, and human well-being
- Computational methods for sustainable economy and society

Paper submission guidelines

IGSC'17 welcomes submissions that have not been published and that are not under review by other conferences or journals. All submissions will be evaluated on their originality, technical soundness, significance, presentation, and interest to the conference attendees. Please refer to the IGSC website (www.green-conf.org) for specific instructions related to paper submission.

Best paper award and journal publication

The Technical Committee will select the best contributions to be extended and considered by SUSCOM (Sustainable Computing: Informatics and System), the Elsevier Journal which is SCI-indexed.

Workshops and special sessions

Proposals are solicited for workshops and special sessions to be held in conjunction with the conference. Proposals should be submitted to the Workshops and Special Sessions Chair (iahmad@cse.uta.edu).

Ph.D. forum

The forum solicits extended abstract submissions from doctoral students engaged in research on sustainable and energy-efficient computing. Please refer to the IGSC website for submission instructions.

Important dates

Deadline for submitting Workshop and Special Session proposals: May 15, 2017

Deadline for submitting Ph.D. forum extended abstracts: June 16, 2017

Paper submission: June 16, 2017

Notifications sent to authors: July 17, 2017

Camera-ready papers due: Aug 5, 2017

Organization

Steering Committee Chairs: Ishfaq Ahmad (University of Texas, Arlington, USA), iahmad@cse.uta.edu

Behrooz Shirazi (Washington State University, USA), shirazi@wsu.edu

General Chair: Weisong Shi (Wayne State University, USA), weisong@wayne.edu

Tech. Program Chair: Sudeep Pasricha (Colorado State University, USA), sudeep@colostate.edu

Workshop Chair: Ishfaq Ahmad (University of Texas, Arlington, USA), iahmad@cse.uta.edu

PhD Forum Chair: Mahdi Nikdast (Polytechnique Montréal, Canada), mahdi.nikdast@polymtl.ca