



Dear Colleague,

The Work in Progress in Green Computing (WIPGC'12) will be held in conjunction with the Third IEEE International Green Computing Conference [www.green-conf.org](http://www.green-conf.org). Selected number of papers will be accepted for presentation in the WIPGC workshop and some with exciting ideas will be considered for poster session. The WIPGC workshop papers will be published in a proceedings searchable in the IEEE Xplore electronically in the IEEE digital library.

Topics of interest are:

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- \* Power-aware software
- \* Code profiling and transformation for power management
- \* Power-aware middleware
- \* Power-efficient architectures and chip designs
- \* Resource management to optimize performance and power
- \* Runtime systems that assist in power saving
- \* Models for collective optimization of power and performance
- \* Monitoring tools for power and performance
- \* Algorithms for reduced power, energy and heat
- \* Power-aware applications
- \* Static and dynamic data allocation for distributed servers
- \* Efficient circuit design for energy harvesting
- \* Power efficient cluster and enterprise computing
- \* Power management at component level, including memory, disk.
- \* Configurable and renewable energy
- \* Low power electronics
- \* Embedded systems, ASICs and FPGAs
- \* Power leakage and dissipation
- \* Power implications for portable and mobile computing
- \* Power aware networking
- \* Reliability of Power-aware computers
- \* Use of sensors for climate monitoring
- \* Smart control for eco-friendly buildings
- \* Thermal control of data centers
- \* Energy recycling
- \* Energy efficient power and cooling infrastructure

#### Review of Manuscripts

All submitted manuscripts would be reviewed and evaluated on correctness, originality, technical strength, significance, quality of presentation, interest and relevance to the conference scope.

#### Important Dates:

Paper Due: Sunday, March 11, 2012

Acceptance notification: Sunday April 15, 2012

Camera ready Abstracts due: Sunday May 6, 2012

The final appearance of the accepted papers in the conference proceedings (through IEEE Digital Library) is contingent on two conditions: (1) at least one author of an accepted paper registers for the conference at the time of

the submission of the final camera ready manuscript and (2) one of the authors presents the paper at the conference in person. Full details of the conference may be found at the conference website: [www.Green-Conf.org](http://www.Green-Conf.org) . To directly access submission please go to <https://www.easychair.org/account/signin.cgi?conf=igcc12ws>, login and select “Work in Progress in Green Computing” option.

Organizer: Ali Hurson, Missouri University of Science and Technology.

Like its predecessors, 3<sup>rd</sup> IGCC conference is also expected to be technically sponsored by IEEE computing Society.

Sincerely,

IGCC-WIPGC'12 Organizers

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