

International Workshop on Recent Advancement in Green Computing

Green computing is environmentally responsible use of computers and related resources. The goal is to reduce the environmental impact of IT operations. It is important for green computing solutions to reduce energy consumption and lower carbon emissions from the design, use and disposal of technology products. This workshop aims to provide a platform for professionals from academia and industry to discuss recent advancements on green computing solutions and applications. We seek submissions describing either theoretical or practical solutions and applications in this field. Topics of interest include, but are not limited to:

- Green infrastructure sustainable design and technologies
- Energy- and power-constrained devices and gateways
- Ultra-low power systems architectures
- Low-power, distributed data processing on sensors
- Energy-efficient M2M wired and wireless communications and networking
- Optimization and/or analysis in green computing and communications (including core network optimization)
- Green big data, cloud, and data center architecture
- Green technologies for 5G (SDN, IoT, and crowdsourcing, etc.)
- Energy harvesting communications and networks
- Intelligent Transport Systems and control
- Energy efficiency in aerial/UAV communication networks
- Green social networks
- Applications of blockchain in energy management and trading

Important dates:

Submission deadline: 22 May 2024

Author notification: 6 June 2024

Organizing committee:

Xueqin Liang, Xidian University, China

Muhammad Khan, Sejong University, Republic of Korea

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