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**IEEE Consumer Communications & Networking Conference (CCNC)
Held in conjunction with the International Consumer Electronics Show,
Las Vegas
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Call for Papers for *Green Communications and Computing*

Scope and Motivation:

The scale and complexity of modern datacenters are growing at an alarming rate due to the rising popularity of the cloud-computing paradigm as an effective means to cater to the ever-increasing demand for computing and storage. Such demand has resulted in an increase in energy consumption and heat generation in datacenters. Because of the increase in heat generation, cooling requirements have become a critical concern, both in terms of growing operating costs as well as their environmental and societal impacts. Presently, thermal-management techniques make an effort to thermally profile and control datacenters' cooling equipment to increase their efficiency. However, the management of modern datacenters is rapidly exceeding human ability, making green and autonomic approaches essential. In this Track, methods for acquiring thermal awareness using real-time measurements and heat- and air-circulation models as well as solutions for proactive autonomic datacenter management that exploit this awareness are sought. Green communication and coordination schemes that enable self-organization of heterogeneous sensors into a multitier sensing infrastructure capable of real-time monitoring are also needed.

Main Topics of Interest:

The Green Communications and Computing Track seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Green Datacenter Management
- Thermal-aware Computing
- Energy-efficient Virtualization and Consolidation Techniques
- Protocols for Green Communications
- Approximate Energy-efficient Computing
- Green Networking, Energy Efficiency
- Cloud Radio Access Networks (C-RAN)

Track Chair:

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