

**Call for papers for  
Green Communications Systems and Networks Symposium  
(GCSN)**

**Symposium Track Co-Chairs**

Cicek Cavdar      Royal Institute of Technology Stockholm, Sweden  
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**Submissions must be done through EDAS at: <https://edas.info/newPaper.php?c=22635&track=81049>  
The paper submission deadline is October 14, 2016.**

**Scope and Motivation**

The symposium is a venue for research outcomes on reducing carbon emissions and operational costs in communication systems and networks, as well as on using communication and computing technologies to enable solutions such as smart grids, green buildings, green services, green cloud computing, and green data centers for a sustainable world.

The objective of the Green Communications Systems and Networks Symposium is disseminating to the scientific community, to both academic and industry researchers, the latest developments and advances in the emerging research areas of energy-efficient and sustainable communications.

Authors are invited to submit papers presenting novel technical research studies as well as broader position papers.

**Main Topics of Interest**

Topics of Interest include but are not limited to:

- Theory, modelling, analysis, and performance of green communication and computing systems
- Architectures, algorithms, protocols and design for green communication systems and networks
- Green communication in 5G systems
- Green wired/wireless transmission technologies and physical layer approaches
- Green optical communications, switching and networking
- Green wireless cellular networks
- Energy-efficient routers and switches
- Green cloud computing communications protocols
- Green management of data centers
- Novel network concepts and architectures to reduce the overall footprint of ICT
- Life-cycle assessment of energy consumption
- Cognitive principles to reduce energy and/or resource consumption in wireline/ wireless networks
- Power-efficient cooling and air-conditioning systems for communications and computing
- Context-based green management & green awareness
- Economy and pricing for green communication and services
- Measurement and profiling of energy consumption
- Power consumption trends and reduction in communications
- Security and privacy in green communication networks
- Societal impacts of green communication solutions
- Standardization, policy and regulation for green communications and computing
- Mitigation of electromagnetic pollution
- Experimental test-beds and results for green communications and computing
- Communication technologies for green transport and logistics efficiency
- Communication technologies for green industrial processes
- Communication technologies for green buildings
- Energy harvesting for green computing and communications
- Energy efficient solutions for Internet of Things

- Advanced metering infrastructure and smart meter technologies
- Field trials and deployment experiences for green communications and computing
- Demand-response management in the smart grid
- Smart-grid distributed generation and storage
- Operations of renewable energy generation
- Management & control of distributed energy storage
- Grid-to-vehicle and vehicle-to-grid

## Biographies

### **Cicek Cavdar** tba

**Michela Meo** is Professor at Politecnico di Torino, Italy, in communications engineering. Her research interests include green networking, energy-efficient mobile networks and data centers, Internet traffic classification and characterization. She co-authored about 200 papers, edited a book with Wiley on Green Communications and special issues of international journals, including ACM Monet, Performance Evaluation, and Elsevier Computer Networks. She chairs the Steering Committee of IEEE Online GreenComm and the International Advisory Council of the International Teletraffic Conference. She is associate editor of ACM/IEEE Transactions of Networking, Green Series of the IEEE Journal on Selected Areas of Communications, IEEE Communication Surveys and Tutorials. She is Campus Director of the Siebel Energy Institute in Politecnico di Torino.