Hvar, Island of Hvar, Croatia, September 17 – 19, 2020

THE 11th SYMPOSIUM ON GREEN NETWORKING AND COMPUTING (SGNC 2020)

Symposium Co - Chairs:

***Antonio Capone,* Politecnico di Milano – DEIB, Italy (mail: antonio.capone@polimi.it)**

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Call for Papers

The 11th Symposium on "Green Networking and Computing" (SGNC 2020) will be held in the frame of the 28th International Conference on Software, Telecommunications, and Computer Networks (*SoftCOM 2020*) that is technically co-sponsored by IEEE ComSoc. The Symposium is organized since 2010 in the frame of the *SoftCOM* conference, which will take place on September 17-19, 2020 in hotel Amfora in Hvar, island of Hvar, Croatia. In the frame of the Symposium, the 11th "*Special Session on green networking and computing"*, invited talks, tutorials and business forum will be organized. The SGNC 2020 symposium is organized in cooperation with the IEEE Technical Committee on Green Communications and Computing (TCGCC).

The topic of "green networking and computing" is attracting growing attention for economic, energetic, and environmental reasons. The rapidly increasing amount of power consumed by ICT, as well as the energy bills of service providers, contributes to economic reasons. According to a number of studies, ICT alone is responsible for between 2 and 10% of world power consumption, due to the ever-increasing diffusion of electronic devices. Communication networks, including the Internet and wireless networks, represent a non-negligible part of the energy consumption of ICT. In addition, the carbon footprint of ICT devices due to energy consumption and the activities related to their entire lifecycle contributes to global warming. In the very last years, energy-saving techniques are being considered for communication networks with new-generation devices and network management approaches exploiting algorithms and protocols for adapting the network to the varying traffic load. The Symposium on "Green Networking and Computing" aims to serve as a platform for researchers and visionaries from academia, research labs, and industry from all over the world. Sharing ideas, views, results, and experiences in the field of green wired and wireless networking is what the "Green Networking and Computing" Symposium is intended to be about. Anything from theoretical and experimental achievements to innovative design and management approaches, prototyping efforts, and case studies is in Symposium focus.

Topics of interest include, but are not limited to the following:

- Energy-efficient 5G networks and beyond
- Power consumption models of networking infrastructure
- Power measurements and data from empirical studies of communication networks
- Techniques for reducing power consumption in data centers
- Hardware and architectural support for reducing power consumption
- Energy efficient network management and internet of things (IoT)
- Green network design and energy-efficient smart grids
- Applications of green networking technologies and principles
- Cross-layer optimizations for reducing energy consumption
- Optimization of energy consumption in optical networks
- Energy-efficient protocols and transmission techniques
- Energy-efficient fog and edge computing
- Energy-efficient peer-to-peer networking and overlays
- Energy-efficient cloud computing and network function virtualisation
- Green wireless access networks
- Green wired access networks
- Green future Internet and software-defined networking
- Energy cost models for network operators
- Energy-efficient sensor networks
- Renewable energy sources for wired and wireless access networks
- Antenna design and transmission technologies for reducing energy consumption
- Green communication technologies for smart cities
- Energy-efficient vehicle and industrial communications
- Energy-efficient critical and UAV communications.

Web link for paper submission in EDAS system (Symposium on Green Networking and Computing):
https://edas.info/newPaper.php?c=27325&track=101765

Accepted and presented papers will be published in the conference proceedings, and submitted to IEEE Xplore, Web of Science (WoS), Scopus, Google Scholar as well as other Abstracting and Indexing (A&I) databases.

IMPORTANT DATES	
Complete manuscript due (firm deadline):	June 22, 2020
Notification of acceptance:	July 22, 2020
Camera-ready manuscript:	July 30, 2020

More information about the Conference including details on the submission process and authors kit is available on the website: ***http://softcom2020.fesb.hr***

Symposium contact person: *Josip Lorincz, University of Split, Croatia (josip.lerinc@fesb.hr)*
Conference Operation Support: *Katarina Radoš, University of Split, Croatia (softcom@fesb.hr)*

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In cooperation with:

IEEE Technical Committee on Green Communications & Computing

International Symposium Committee

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