callforpaper.org

N/a September 18-20, 2025

CONFERENCE WEBSITE: http://www.josip-lorincz.com/Portals/0/2025_CfP_SGNC2025_Green%20net_Lorincz.pdf?ver=9NThlDdvGZ4Qgo5WQzEo1g%3d%3d

About the Conference

September 18 – 20, 2025, Split, Croatia
Submission deadline: May 22, 2025
Notification of acceptance: July 7, 2025
Camera-ready manuscript: July 21, 2025

Symposium info:
https://2025.softcom.fesb.unist.hr/wp-content/uploads/2025/02/2025_CfP_SGNC2025_Green-net_Lorincz.pdf
http://www.josip-lorincz.com/Portals/0/2025_CfP_SGNC2025_Green%20net_Lorincz.pdf?ver=9NThlDdvGZ4Qgo5WQzEo1g%3d%3d

Important Dates

SEP 18

CONFERENCE DATE
September 18-20, 2025

CALL FOR PAPERS
The 16th Symposium on “Green Networking and Computing” (SGNC 2025) will be held in the frame of the 33rd International Conference on Software, Telecommunications, and Computer Networks (SoftCOM2025). The Symposium has been organized since 2010 in the frame of the SoftCOM conference and it will take place on September 18-20, 2025 in Spit, Croatia. In the frame of the Symposium, the 15th “Special Session on Green

Networking and Computing” technical workshop, keynote speech, poster sessions and student contest sessions will be organized. The members of the Croatian ACM chapter participate as attendees of the symposium and the SGNC 2025.

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 Information and Communication Technologies (ICT), as well as the energy bills of service providers, contributes to economic reasons. According to several energetic studies, ICT alone is responsible for between 2 and 10% of the power consumption worldwide, and communication networks significantly contribute to 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 management contribute to global warming. In recent years, energy-saving techniques have been considered for communication networks with new generations of devices and network management approaches exploiting algorithms and protocols for adapting the network to the varying traffic load. In particular, the design and implementation of artificial intelligence (AI) - based algorithms for network resource management that can contribute to the improvement of access, edge and core network energy efficiency have recently attracted significant research interest from academia and industry. The Symposium on “Green Networking and Computing” serves as a platform for researchers and visionaries from academia, research labs, and industry from all over the world to share ideas, views, results, and experiences in

the field of green wired and wireless networking. The scope of the symposium is very broad, accepting contributions from theoretical and experimental achievements to innovative design and management approaches, prototyping efforts, and case studies. The topics of interest include, but are not limited to:

• Implementation of AI for improving the energy efficiency of communication networks and systems
• Power consumption models of networking and AI infrastructures
• Power measurements and data from empirical studies of communication and edge computing 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 toward reducing energy consumption
• Optimization of energy consumption in optical networks
• Energy-efficient protocols and transmission techniques
• Energy-efficient edge computing
• Energy-efficient peer-to-peer networking and overlays
• Energy-efficient edge/cloud computing and network function virtualization
• Green wireless access networks

• Green wired access networks
• Green future Internet and software-defined networking
• Energy cost models for (edge) network operators
• Energy-efficient sensors and sensor networks
• Renewable energy sources for power supply of edge-based, wired and wireless access networks
• Antenna design and transmission technologies for reducing energy consumption
• Green communication and computing technologies for smart cities
• Energy-efficient vehicle and industrial communications
• Energy-efficient critical communications
• Green mobile applications
• Green cognitive radio networks

Web link for paper submission in EDAS system (Symposium on Green Networking and Computing):

https://edas.info/newPaper.php?c=33587&track=129821
Accepted and presented papers will be published in the conference proceedings, IEEE Xplore, Scopus, as well as other Abstracting and Indexing (A&I) databases and submitted to possible inclusion in the Web of Science (WoS) database.

Symposium contact person:
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========== SoftCOM 2025 | General Call for Papers ==========

General page: https://2025.softcom.fesb.unist.hr

Venue and accommodation: https://2025.softcom.fesb.unist.hr/venue-and-accommodation//

Conference technical program committee members: https://2025.softcom.fesb.unist.hr/technical-program-committee/

SoftCOM conference contact: softcom@fesb.hr (FESB), University of Split, Croatia)

TOPICS OF INTEREST

4 topics

Research papers are invited in, but not limited to, the following areas:

- Computer Science & Software Engineering
- Networking & Cloud Computing
- Uncategorized
- Communication & Media