

GreenNet-AI 2026

International Workshop on AI-Driven Green and Sustainable Networking

Venue: Sicily, Italy
Conference Dates: November 10–13, 2026

Official Website: <https://greennet-ai.org>
Hosting Portal: IEEE NCA 2026 Symposium (CORE Rank B)

SCOPE & MOTIVATION

As information and communication technologies (ICT) rapidly evolve toward 6G and ubiquitous edge computing, the carbon footprint of data management and networking infrastructure poses a critical challenge to global sustainability. Artificial Intelligence (AI) holds incredible potential to optimize network efficiency ("AI for Green"). However, modern AI models are inherently compute-intensive, creating an urgent demand for energy-conscious execution architectures ("Green for AI").

GreenNet-AI 2026 aims to unite academic researchers, industry experts, and engineers to explore state-of-the-art frameworks, software-hardware codesigns, and deployment paradigms targeting eco-friendly infrastructure. The workshop actively promotes alignment with the United Nations Sustainable Development Goals (SDGs) to pave the path toward zero-carbon digital transformation.

Official EDAS Submission Portal: Papers must be prepared using standard IEEE conference formatting and submitted via the following dedicated track:

<https://edas.info/N35456>

TECHNICAL TOPICS OF INTEREST (BUT NOT LIMITED TO)

- Energy-efficient orchestration of AI/ML models in 6G
- Carbon-aware routing protocols and path selection
- Sustainable Edge-to-Cloud continuum ecosystems
- Eco-friendly Data Center networking strategies
- Intelligent spectrum sharing and power management
- Green Quantum Computing & quantum-safe links
- Hardware-software co-design for eco-computing
- AI-driven optimization for UN SDGs in global ICT
- Predictive energy harvesting for IoT networks
- Low-overhead network virtualization & management

IMPORTANT DEADLINES

MILESTONE TIMELINE	TARGET DATE
Full Paper Submission Deadline	July 15, 2026
Peer-Review Notification of Acceptance	September 11, 2026
Camera-Ready Paper Due	October 02, 2026
Workshop Presentation Dates (Sicily)	November 10–13, 2026

PRESTIGIOUS Q1 JOURNAL FAST-TRACK PIPELINE

All accepted and presented papers will be indexed in the **IEEE Xplore** Digital Library. Crucially, the authors of the finest high-impact works will be formally invited to submit a significantly expanded version (minimum 35-40% new technical content) to a dedicated **Special Issue in an international Q1 Journal**.

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