EEEIC 2020

MADRID | SPAIN | From 09TH to 12TH JUNE 2020

20TH EEEIC
INTERNATIONAL CONFERENCE
ON ENVIRONMENT AND ELECTRICAL ENGINEERING

04TH I&CPS
INDUSTRIAL AND COMMERCIAL
POWER SYSTEMS EUROPE

New Frontiers in Green Computing and Artificial Intelligence

Special Session of the 20th IEEE International Conference on Environment and Electrical Engineering (IEEE EEEIC 2020)

https://www.eeeic.net/eeeic

SCOPE AND MOTIVATION

This special session is intended to bring forth advances on the green computing paradigm applied in synergy with artificial intelligence. Submitted papers should propose novel algorithms or physical systems for ICT and industrial applications under electrical energy and power constraints, with a particular focus on the energy-aware design and optimization of such algorithms and architectures possibly by using data-driven machine learning techniques. All papers will be indexed in IEEE Xplore, Scopus and Web of Science.

TOPICS

The topics of interest to be covered by this Special Session include, but are not limited to:

- Green computing for big data learning
- AI-based green data centers
- Energy-efficient resource management in cloud computing environments
- Green computing paradigms for IoT and sensor network applications
- Energy-aware mobile edge and fog computing
- Green technologies for smart cities and intelligent transport systems
- Smart cars and green vehicular networks
- Optimized electric powertrain systems
- Machine learning models and algorithms for battery management systems
- Artificial intelligence for sustainable building design
- Machine learning techniques for renewable energy sources
- Low-power circuits and energy-oriented algorithms for HPC and parallel computing
- Green practices healthcare domains

IMPORTANT DATES

- FULL PAPER Preliminary Submission: **February 1, 2020**
- FULL PAPER Acceptance Notification: April 1, 2020
- FULL PAPER Submission: April 15, 2020
- Conference dates: June 9-12, 2020

All the instructions for paper submission are included in the conference website:
https://www.eeeic.net/eeeic/home-2020/submission-2020

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