

# CALL FOR PAPERS

## 2022 IEEE 8th INTERNATIONAL CONFERENCE ON ENERGY SMART SYSTEMS

### IEEE ESS-2022

IEEE Kyiv Polytechnic Week  
at Igor Sikorsky Kyiv Polytechnic Institute  
October 12-14, 2022, Kyiv, Ukraine

#### CONFERENCE TOPICS

##### 1. SMART ENERGY POWER AND ENERGY ENGINEERING

- Smart Power Generation, Operations and Planning
- Smart Grids Transmission and Distribution
- Resilient Power Systems and Smart Grid Management
- System Control, Wide-Area Monitoring and Protection
- Smart Metering and Safety

##### 2. RENEWABLE ENERGY SYSTEMS AND DISTRIBUTED GENERATION

- Renewable Energy Systems and Power Electronics
- Intermittent Distributed Energy Resources and Network Integration
- Forecasting problems and Virtual Power Plant
- Electric Vehicles and Energy Storage

##### 3. SMART CITIES AND BUILDINGS

- Smart Buildings and Resource Aggregation
- Home Area Networking and Smart Home Devices
- Internet of Things Applications for Distribution Management Systems
- Smart Grids and Social Infrastructure Challenges

##### 4. SMART INDUSTRIAL APPLICATIONS AND CONSUMERS

- Power Electronics and System Integration
- Energy Management System and Demand Side Management
- Prosumerism, Customer Behavior and Attitudes
- Agent-based and Self-Organizing Solutions for Smart Grids

##### 5. POLICIES, MARKETS AND CHALLENGES

- Smart Grid Architectures and Models
- Smart Grid Cyber and Physical Security
- Regulatory Aspects, Electricity Market and Power System Economics
- Energy Brokering, Business Models, Prosumers Aggregation

#### DEADLINES

Submission of Papers	31 JULY, 2022
Final Papers Submission	10 SEPTEMBER, 2022
Notification of Acceptance	20 SEPTEMBER, 2022
Event Dates	12-14 OCTOBER, 2022

Submitted papers must be unpublished and should not be submitted elsewhere at the same time. Size of the conference paper – 4 to 6 full A4 pages, prepared according [IEEE Proceedings format](#).

Paper submission is organized through <https://easychair.org/conferences/?conf=ess2022>

Submitted papers are subjects to three independent anonymous referee reviews. Official Conference language is **English**.

**ESS-2022 is considered to be delivered in a virtual format taking into account the war in Ukraine.**

**The sponsorship that was submitted on the conference application for the above mentioned event is:**

IEEE Ukraine Section  
IEEE Ukraine Section IE/PE/PEL Joint Chapter  
IEEE Ukraine Section PE/IE/IA Joint Chapter  
Igor Sikorsky Kyiv Polytechnic Institute

#### CONTACTS

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