



# 2014 IEEE International Conference on Intelligent Energy and Power Systems (IEPS-2014)

June 2-6, 2014, Kyiv, Ukraine

## GENERAL ORGANIZERS



National Academy of  
Science of Ukraine

<http://www.nas.gov.ua/>



Institute of Electrodynamics of  
NASU

<http://www.ied.org.ua/>



National Technical University of Ukraine  
"Kyiv Polytechnic Institute"

<http://kpi.ua/>



IEEE Ukraine Section

<http://ieee.org.ua/en/>

## CONFERENCE TOPICS

### SECTION 1. MODERN ENERGY SYSTEMS AND POWER ELECTRONICS

Energy and Power System Control; Battery Storage for Energy System; Intelligent and Predictive Control in Power Electronics; Transformers; Modeling, Simulation and Control of Power Electronics; Bi-directional Power Converters; VAR Compensators; Power System Protection; Power System Quality and Reliability; Electromagnetic Compatibility in Power Systems; HVDC; DC Power Systems.

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

Renewable Energy Systems; Hybrid Power Systems; Intelligent Control for Renewable Energy Systems; MPPT; Power Electronics in Wind Power Generation Systems and Utilization, Fuel Cells Applications, Photovoltaic Solar Power Systems, Hydropower Systems and Applications, Bio-energy Systems, Process and Utilization, Geothermal and Tidal Wave Energy Systems, Environmental-friendly Technologies for Power Generation, Thermal Power Systems and Applications.

### SECTION 3. INTELLIGENT AND ADAPTIVE SYSTEMS IN SMART GRID

Computational Intelligence and Soft Computing (e.g., Evolutionary/Genetic Algorithms, Neural Networks, Fuzzy Logic) in Complex Energy Systems; Advanced Control and Optimization Algorithm, Predictive and Forecasting Control, Adaptive and Robust Control for Smart Grid; Decision Support Systems for Energy Systems; Smart Spaces, Ontology and Context-aware Systems in Smart Grid; Semantic Web Technologies for a Smart Grid; Agent-based Simulation of Grid Environments and Markets, Advanced Simulation Methods for Smart Grid Development; Intelligent Grid Participants (e.g., DER, Intelligent Buildings, Storages, Charging Devices); Integration of (Distributed) Stochastic Energy Generation; Recent Developments in SCADA and Distributed Control Technology (e.g., Holonic Concepts, Multi-agent Systems, Service-oriented Architectures); Integration of Intelligent DER Devices, Storages and Intelligent Loads into Smart Grids; Cyber-security Issues in Intelligent Energy Systems; Advanced Communication Systems and Approaches for Energy Systems; Topic Related to E-vehicles (from a Grid Point of View); Algorithms for Automatic Market Participation.

### SECTION 4. INDUSTRIAL ELECTRONICS AND ELECTRICAL DRIVES

Industrial Electronics, Application, Standards and Control System; Industrial (Factory) Automation; Intelligent Control in Industrial Electronics; Development and Design of Electrical Systems, Apparatus, Devices and Controls to the Processes and Equipment of Industry and Commerce; Induction Machines and Drives; Synchronous Machines and Drives; DC Machines and Drives; Motion Control; High Speed Machine and Drives.

## INFORMATION FOR AUTHORS

Official language of the [IEPS-2014](#) is **English**. It will be used for all printed materials, presentations and discussions. Size of the conference paper should be **3 to 6 full A4 pages**, prepared according IEEE Proceedings format. All submitted papers are subjects to three independent anonymous referee reviews. **All accepted papers and oral (or poster) presenting at IEPS-2014 will be submitted for revision to [IEEE Xplore Digital Library](#).** "No-show" papers won't be submitted for inclusion in [IEEE Xplore Digital Library](#).

### DEADLINES

Submission of Papers	21 January 2014
Response of Reviewers	28 February 2014
Submission of Final Papers	14 March 2014
Final Acceptance Notification	21 March 2014
Final Registration for Participation	21 April 2014

### REGISTRATION FEES

Membership	Fees
IEEE Members	250 EUR
Non-IEEE Members	350 EUR
IEEE Graduate Student and Student Members	100 EUR
Graduate Students and Students	150 EUR

Additional paper costs 20 EUR. Participants of [PPE-2014](#) pay 30 EUR (IEEE Members) or 50 EUR (Non-IEEE Members) registration fee.

## CONTACTS

Local Chairpersons: **Igor Blinov** and **Ievgen Pichkalov**

Website: <http://ieps.ieee.org.ua/> and E-mail: [ieps@ieee.org.ua](mailto:ieps@ieee.org.ua)