

IEPS-2016

Intelligent Energy and Power Systems

2nd IEEE International Conference

June 7-11, 2016, Kyiv, Ukraine



Organized by



Institute
of Electrodynamics
of NASU



National Technical University
of Ukraine
"Kyiv Polytechnic Institute"

With Support of



IEEE Ukraine Section



Fund "Lady Science"

Invitation

We warmly invite you to take part in 2nd IEEE International Conference IEPS-2016!

We are glad to provide a platform for productive communication of scientists and engineers of the entire world in the field of intelligent energy and power systems.

We hope to see you in hospitable Kyiv – beautiful capital of Ukraine!

Organizing Committee

General Chairpersons

Prof. Oleksandr Kyrylenko
*Institute of Electrodynamics of NASU
(Kyiv, Ukraine)*

Prof. Yuriy Yakymenko
*National Technical University of Ukraine
"Kyiv Polytechnic Institute" (Kyiv, Ukraine)*

Technical Program Committee Chairpersons

Prof. Andrii Zharkin
*Institute of Electrodynamics of NASU
(Kyiv, Ukraine)*

Prof. Valerii Zhuikov
*National Technical University of Ukraine
"Kyiv Polytechnic Institute" (Kyiv, Ukraine)*

Publication Chairperson

Dr. Liudmyla Gorodzha
*Institute of Electrodynamics of NASU
(Kyiv, Ukraine)*

Finance Chairperson

Kateryna Osypenko
*National Technical University of Ukraine
"Kyiv Polytechnic Institute" (Kyiv, Ukraine)*

Local Chairpersons

Dr. Sergii Tankevych
*Institute of Electrodynamics of NASU
(Kyiv, Ukraine)*

Dr. Oleksandr Bondarenko
*National Technical University of Ukraine
"Kyiv Polytechnic Institute" (Kyiv, Ukraine)*

Dr. Ivan Shapoval
*Institute of Electrodynamics of NASU
(Kyiv, Ukraine)*

Dr. Tetiana Khyzhniak
*National Technical University of Ukraine
"Kyiv Polytechnic Institute" (Kyiv, Ukraine)*

Conference Topics

Topic 1: Modern Energy Systems and Power Electronics

Energy and power system control. Intelligent and predictive control in power electronics. Energy storages. Power system quality and reliability. Electromagnetic compatibility problems. FACTS and HVDC. Filters and compensators. Active power quality controllers.

Topic 2: Renewable Energy Systems and Distributed Generation

Renewable energy systems. Intelligent control for renewable energy systems. Hybrid power systems. Wind power generation systems. Fuel cells applications. Photovoltaic solar power systems. Hydropower systems. Bio-energy systems. Thermal power systems.

Topic 3: Intelligent and Adaptive Energy Systems

Computational intelligence and soft computing in complex energy systems. Predictive, forecasting, adaptive and robust control for energy systems. Decision support systems for energy systems.

Topic 4: Industrial Electronics and Electrical Drives

Industrial electronics, application, standards and control system. Industrial automation. Intelligent control in industrial electronics. Machines and drives. Motion control. Power electronics converters for drives and generators.

Topic 5: Special Power Electronic Systems and Applications

Unconventional power electronics converters. Automotive vehicles, aircrafts, and ships. Welding machines. Military equipment.

Note: The above listed topics do not exclude submission of papers from other specific fields related to the general theme of the conference.

Deadlines

15/01/2016 15/02/2016

Submission of full paper

15/03/2016

Paper acceptance notification

15/04/2016

Ultimate date for fee
and final paper submission

Contacts

IEPS 2016 Office, National Technical University of Ukraine
"Kyiv Polytechnic Institute",

Peremohy Ave., 37, Kyiv, 03056, UKRAINE

Phone: +380 44 4549315

Fax: +380 44 2362117

E-mail: ieps.ieee@gmail.com

Website: <http://ieps.kpi.ua/>

Technical Program Committee

Prof. Anouar Belachcen
Aalto University (Aalto, Finland)

Prof. Frede Blaabjerg
Aalborg University (Aalborg, Denmark)

Prof. Jon Clare
The University of Nottingham (Nottingham, UK)

Prof. Sergii Denysiuk
National Technical University of Ukraine
"Kyiv Polytechnic Institute" (Kyiv, Ukraine)

Dr. Imad H. Elhadj
American University of Beirut (Beirut, Lebanon)

Prof. Ilya Galkin
Riga Technical University (Riga, Latvia)

Prof. Aleksandr Garganev
National Research Tomsk Polytechnic University
(Tomsk, Russian Federation)

Prof. Ali G. Hessami
Vega Systems Ltd. (London, United Kingdom)

Prof. Patrick Henaff
Mines Nancy, University of Lorraine (Nancy, France)

Dr. Dirk Van Hertem
Katholieke Universiteit Leuven (Leuven, Belgium)

Prof. Jan Izykowski
Wroclaw University of Technology (Wroclaw, Poland)

Dr. Jacek Kaniewski
University of Zielona Gora (Zielona Gora, Poland)

Prof. Victor Kaplun
Kyiv National University of Technologies and Design
(Kyiv, Ukraine)

Prof. John Kassakian
Massachusetts Institute of Technology (MIT)
(Cambridge, Massachusetts, USA)

Prof. Sergey Kharitonov
Novosibirsk State Technical University
(Novosibirsk, Russian Federation)

Dr. Ben Klaassens
Delft University of Technology (Delft, The Netherlands)

Prof. Igor Korotyeyev
University of Zielona Gora (Zielona Gora, Poland)

Prof. Oleksandr Kyrylenko
Institute of Electrodynamics of NASU (Kyiv, Ukraine)

Prof. João Martins
Universidade Nova de Lisboa-FCT-DEE and UNINOVA-CTS
(Monte de Caparica, Portugal)

Prof. Valerii Mykhalskyi
Institute of Electrodynamics of NASU (Kyiv, Ukraine)

Prof. Valentin Oleschuk
Institute of Power Engineering, Moldovan Academy of Sciences
(Chisinau, Moldova)

Prof. Sergei Peresada
National Technical University of Ukraine
"Kyiv Polytechnic Institute" (Kyiv, Ukraine)

Prof. Branislava Peruničić-Draženović
University of Sarajevo (Sarajevo, Bosnia and Herzegovina)

Prof. Vincenzo Piuri
University of Milan (Milan, Italy)

Prof. Enrique Romero-Cadaval
University of Extremadura (Badajoz, Spain)

Prof. Eugeniusz Rosołowski
Technical University of Wrocław (Wrocław, Poland)

Dr. Alex Ruderman
Nazarbayev University (Astana, Republic of Kazakhstan)

Dr. Michael Ruderman
Nagoya Institute of Technology (Nagoya, Japan)

Prof. Sergey Ryvkin
Trapeznikov Institute of Control Sciences
of Russian Academy of Sciences (Moscow, Russian Federation)

Dr. Pavlo Safronov
Odessa National Polytechnic University (Odessa, Ukraine)

Prof. Anatoliy Scherba
Institute of Electrodynamics of NASU (Kyiv, Ukraine)

Prof. Ievgen Sokol
National Technical University "Kharkiv Polytechnic Institute"
(Kharkiv, Ukraine)

Prof. Cyril Spiteri Staines
University of Malta (Msida, Malta)

Prof. Borys Stognii
Institute of Electrodynamics of NASU (Kyiv, Ukraine)

Prof. Ryszard Strzelecki
Gdynia Maritime University (Gdynia, Poland)

Prof. Volodymyr Sydorets
E.O. Paton Electric Welding Institute of the NASU
(Kyiv, Ukraine)

Prof. Vytautas Urbanavicius
Vilnius Gediminas Technical University (Vilnius, Lithuania)

Prof. Stanimir Valtchev
Universidade Nova de Lisboa (Lisboa, Portugal)

Dr. Dmitri Vinnikov
Tallinn University of Technology (Tallinn, Estonia)

Prof. Yuriy Yakymenko
National Technical University of Ukraine
"Kyiv Polytechnic Institute" (Kyiv, Ukraine)

Prof. Iuliia Yamnenko
National Technical University of Ukraine
"Kyiv Polytechnic Institute" (Kyiv, Ukraine)

Dr. Janis Zakis
Riga Technical University (Riga, Latvia),
Tallinn University of Technology (Tallinn, Estonia)

Prof. Andrii Zharkhin
Institute of Electrodynamics of NASU (Kyiv, Ukraine)

Prof. Valerii Zhuikov
National Technical University of Ukraine
"Kyiv Polytechnic Institute" (Kyiv, Ukraine)

Conference Location



The conference is going to be held in Kyiv, the capital of Ukraine.

The conference participants can use planes, trains, buses or cars to get to Kyiv.

Kyiv is situated on the North of Ukraine. The great river Dnipro flows through the city surrounded by vast forests.

There are many historical, cultural and natural attractions in Kyiv the guests of the city may be interested in.

The sessions and welcome party are going to be carried out in National Technical University of Ukraine "Kyiv Polytechnic Institute".

The accommodation for the conference participants may be arranged in the University dormitory or other hotels of Kiev.

Some links for additional information:

<http://wikitravel.org/en/Kiev>

<http://visitskyiv.com.ua/en/index>

<http://kyivcity.travel>

General Information

The language of the conference is English.

All submitted papers must be in Portable Document File (.pdf) IEEE Xplore compliant format. Instructions for typescript preparation are available on the conference website: <http://ieps.kpi.ua/>.

Each submitted paper will be reviewed by three referees. The technical program committee will ask the authors for improving their papers according to the reviewer's recommendations.

The accepted papers will be published in the Conference Proceedings and submitted to IEEE Xplore database, only if at least one author is registered using the registration form, pays the registration fee and presents papers during the IEPS-2016.

The accepted papers will be presented in oral or poster sessions. The best presented papers will be published in Scopus indexed journal "Technical Electrodynamics" (<http://techned.org.ua/eng/>).

The best student report will be encouraged by award.

Conference fee	Non-IEEE Members	IEEE Members*
Professionals	350 €	250 €
Graduate Students and Students**	150 €	100 €
PPE-2016 Participants (http://ppe.kpi.ua/)	50 €	30 €

* IEEE Members must indicate their member numbers within registration process.

** Students must send a document from their universities that confirms their student condition to conference e-mail.