



Ministry of Energy of the Russian Federation  
Ministry of Education and Science of the Russian Federation  
Ivanovo State Power Engineering University (ISPEU)  
Open joint stock company "System Operator of United Power System" (SO UPS)  
"Russian National Committee of International Council on Large Electric Systems" (CIGRE RNC)  
Charitable foundation «Reliable Rising Generation» JSC "Schneider Electric"



# ELECTRICAL POWER ENGINEERING-2014

INTERNATIONAL STUDENT COMPETITION  
ON ELECTRICAL POWER ENGINEERING, IVANOVO, RUSSIA, NOVEMBER  
18-22, 2014



## PUBLIC INFORMATION NOTICE

### INTERNATIONAL STUDENT COMPETITION ON ELECTRICAL POWER ENGINEERING, 18-22 November 2014, Ivanovo, Russia

Ivanovo State Power Engineering University (ISPEU) and Charitable foundation «Reliable Rising Generation» in accordance with the plan of joint arrangements for the year of 2014 with the support of Joint-stock Company "System Operator of the United Power System", JSC "Territorial Generating Company #2", JSC "Schneider Electric" and Russian National Committee of International Council on Large Electric Systems (CIGRE RNC) hold the International Student Competition on Electrical Power Engineering among the students of electrical and electrical power engineering programs of study.

#### The aim

Improving the quality of students' preparation of Electrical and Electrical Power Engineering programs of study, increasing students' interest for their profession, finding out talented young people and forming personnel potential to organize research, project and administrative production activity.

**Timing of the Competition** The Competition is held 18-22 November, 2014.

#### Preliminary program of the competition

**November 18** arrival and registration of the participants;

**November 19** the Competition holding;

**November 20** checking up of the works, a round table with representatives of JSC "SO UPS"

**November 21-22** the winners' awarding during the Youth Forum [ENES 2014](#) and excursion

**The working languages of the Competition** Russian, English, French

#### The place of the Competition

Lecture-rooms in ISPEU (34, Rabfakovskaya Str., Ivanovo, Russia).

**Staying:** ISPEU and Ivanovo hotels.

#### The terms of the Competition

The participants of a team are full-time graduate and 1st and 2nd year Master's Degree Students whose programs of study are **Electrical Power Engineering and Electrical Engineering**. The Competition has the individual and the team championship. The number of the participants from every higher educational institution is not more than **7** students. Number of teams is not limited. Total number of points in team championship is a sum of **four** best student points. The team is represented by a leader who is a teacher or a staff member of a higher educational institution. The leader is the member of the jury of the Competition.

The Competition tasks may be the ones prepared by the teachers of the electrical engineering of higher educational institutions, which take part in the Competition.. The tasks to be included in the list of the Competition tasks, with the decisions should be sent to e-mail: [cigre@ispu.ru](mailto:cigre@ispu.ru) no later than **November 1, 2014**..

In order to take part in the Competition it is necessary to fill in the application form and send it on e-mail: [cigre@ispu.ru](mailto:cigre@ispu.ru) no later than **October 15, 2014**. Each participant must have a passport, student's card (or academic record book), calculator, pen

The participation in the Competition is confirmed with the application form on the higher educational institution note-paper certified by a person in charge and the seal of the institution (it may be sent by mail or taken to the organizational committee by the team leader) and its copy must be sent to e-mail [cigre@ispu.ru](mailto:cigre@ispu.ru). **The participation in the Competition is free.** To reserve the hotel it is necessary to send the application form **before October 15, 2014**. Excursion to energy efficient electricity facility is included to the Competition. The winners and participants are awarded with the diplomas, presents and are included in the personnel reserve of electric facilities.

#### **Tasks subjects**

There will be **12 tasks** of different difficulty levels in the following disciplines:

- Theoretical Basics of Electrical Engineering
- High-Voltage Engineering
- Relay Protection and Automation
- Electric Power Stations' and Substations' Electrical Equipment
- Electric Systems and Nets
- Electric Power Supply

#### **Important dates**

1.	The application form for taking part in the Competition	<b>deadline 15.10.2014</b>
2.	The application form for hotel reservation	<b>deadline 15.10.2014</b>
3.	Tasks from other higher educational institutions	<b>deadline 1.11.2014</b>
4.	The Competition holding	<b>18-19 November 2014</b>
5.	Students meeting with the employers*	<b>20 November 2014</b>
6.	Rewarding of the Competition winners at the youth forum ENES 2014 in Moscow	<b>21-22 November 2014</b>

\* During the Competition will take place a round table with the leaders of power-system protection and electric modes technological services of JSC "SO UPS" from cities: Khabarovsk (Khabarovsk Regional Dispatch Administration (RDA)), Vladivostok (Primorsk RDA), Perm (Perm RDA), Surgut (Tyumen RDA), Chita (Transbaical RDA), Novgorod (Novgorod RDA), Petrozavodsk (Karelian RDA), town Murmashi in the Murmansk Region, (Kola Peninsula RDA), Syktyvkar (Komi RDA). During the round table **the students will learn about employment opportunities at the branches of JSC "SO UPS"** and gain practical training in them. For this participants of the Competition must complete and send us the form together with the application (see Appendix).

#### **THE ORGANIZATIONAL COMMITTEE**

**Vladimir Tutikov,**

the chairman of organizational committee of the Competition, the vice-rector of ISPEU.

**Andrey Gofman,**

the vice-chairman, the leader of the organizational committee of Youth Section of CIGRE Russian National Committee

**Arkady Makarov,**

Head of the Students' scientific research and talented students department of Ivanovo State Power Engineering University,

Coordinator of RNC CIGRE Youth Section

Ph. (4932) 269-945, +7-920-671-45-37, e-mail: [nirs@ispu.ru](mailto:nirs@ispu.ru)

**Timophey Shadrikov,** coordinator of the Competition,

Ph. +7-910-992-68-69, e-mail: [cigre@ispu.ru](mailto:cigre@ispu.ru)

34, Rabfakovskaya street, Ivanovo, Russia. 153003

Operational information about the competition is posted on the website of the university: <http://ispu.ru/node/13034> and RNC CIGRE website [http://www.cigre.ru/rnk/youth/news\\_868/](http://www.cigre.ru/rnk/youth/news_868/) (informational notices, the Competition rules of procedure, the themes and examples of tasks, routes to academic buildings and campus ISPU and hotels, etc). The Organizational Committee reserves the right to make minor changes in the program of the Competition.

**APPLICATION FORM**  
for participation in the Competition on Electrical Power Engineering

Table 1. Information about the participants

1. Surname, name of the participant (fully)	
2. Faculty	
3. Year of study, group	
4. Contact phone	
5. E-mail	
6. Requirement for hotel (yes/no)	

Note: This form is completed for each participant of the Competition.

Table 2. Information about the leaders of the team

1. Surname, name of the leader (fully)	
2. Official capacity	
3. Academic title, academic degree	
4. Contact phone	
5. E-mail	
6. Requirement for hotel (yes/no)	

Table 3. Information about the higher educational institution

1. Country	
2. Name	
3. Full address	
4. Surname, name of the higher educational institution leader (fully)	

Signature of the responsible person. Stamp.  
Date of completion.

**APPLICATION FORM**  
for hotel reservation

1. Name of higher educational institution	
2. Country	
3. Number of people	
4. Dates of stay	

Signature of the responsible person. Stamp.  
Date of completion.