

SPONSORS



RUSSIAN-GERMAN SUMMER SCHOOL 2016



PROGRAM

Ways of development of the energy sector.
Modern challenges.

О ШКОЛЕ

Российско-Германская летняя школа – совместный проект Уральского федерального университета имени первого Президента России Б.Н.Ельцина и университета TU-Campus EUREF. Мероприятие нацелено на укрепление сотрудничества между Россией и Германией в образовательной, научной и технической сфере.

Программа школы состоит из трёх основных блоков: лекционный, экскурсионный и практический.

Лекционный блок включает в себя обсуждение следующих тематик:

- Энергоэффективность, энергосбережение, энергобезопасность, экологичность.
- Распределенная генерация. Проблемы интеграции возобновляемых источников энергии (ВИЭ) в традиционные электроэнергетические системы.
- Разработка оборудования с высоким классом энергоэффективности и экологической безопасности и другие темы.

Лекции читают руководители крупных энергетических компаний, исследовательских институтов и государственных ведомств.

В рамках **экскурсионного блока** планируются экскурсии на крупные подстанции и электростанции Урала, на заводы-производители энергетического оборудования, компании электросетевого комплекса, а также на культурно значимые объекты региона.

Практический блок предусматривает командное решение актуальных сегодня задач энергетики.

ABOUT

Russian-German Summer School is a joint project of Ural Federal University and TU-Campus EUREF. The event is aimed at strengthening cooperation between Russia and Germany in the sphere of education, science and industry.

The School program consists of three main parts: lectures, excursions and Practical activity.

Lecture unit includes discussions of the following issues:

- Energy efficiency, energy saving, energy security, environmental protection.
- Distributed generation. Problems of integration of renewable energy sources in traditional power systems.
- Development of high-class energy efficiency and environmental security equipment and other issues.

Lectures are read by heads of top energy companies, research institutes and government establishments.

Excursion unit includes tours to big substations and power plants of the Urals, production plants of energy equipment, power grid companies and cultural sites of the region.

Practical unit provides a command solving of up-to-date energy problems.

AUGUST 15, MONDAY

Time	Event
08:30-09:10	Breakfast
09:10-09:40	Transfer to Ural Federal University
10:00-11:30	Official Opening
11:30-12:00	Transfer to IDGC Training Center
12:30-13:30	Lunch
13:30-18:00	Excursion to IDGC of Urals and to the "Ryabina" substation

AUGUST 16, TUESDAY

Time	Event
08:30-09:30	Breakfast
09:30-11:00	Eco Cities – Water and Energy <i>Peter Stamm</i> , Corporate Affairs Officer, Wilo
11:00-11:30	Coffee break
11:30-13:00	Challenges and Benefits from Smart Grid Technologies <i>Kirill Netreba</i> , Technical Consultant, Siemens
13:00-13:30	Lunch
13:30-15:30	Excursion to the Ural Turbine Works
15:30-17:00	Excursion to the Ural Diesel Engine Plant
17:00-18:30	Practical activity*

AUGUST 17, WEDNESDAY

Time	Event
08:30-09:30	Breakfast
09:30-11:00	Distributed generation in new energy mix. Vision and trends <i>Aleksey Reznichenko</i> , Sales Director of "Power and gas production" department, Siemens
11:00-11:30	Coffee break
11:30-13:00	Driving Digitalization at Siemens <i>Dr. Martin Gitsels</i> , Director of corporate technology department, Siemens
13:00-14:00	Lunch
14:00-15:30	SVEL's experience in design and manufacturing of the high class energy efficiency and ecological security equipment <i>Sergey Verner</i> , Director of manufacturing unit, "SVEL group"
15:30-17:30	Excursion to the Ural Power Industry Museum
17:30-19:00	Practical activity*

AUGUST 18, THURSDAY

Time	Event
08:30-09:00	Breakfast
09:30-11:00	Energy analysis. Turning energy data into value <i>Maksim Ageev</i> , Energy and Sustainability Services division director, Schneider Electric
11:00-11:30	Coffee break
11:30-13:00	Substation automation system using IEC 61850 <i>Andrey Kuznetsov</i> , Solution Architect, Schneider Electric
13:00-14:00	Lunch
14:00-17:00	Excursion to Schneider Electric
17:00-18:30	Practical activity*

AUGUST 19, FRIDAY

Time	Event
08:30-09:30	Breakfast
09:30-11:00	Condensation boilers. Increasing of energy efficiency of units with industrial boilers <i>Petr Petrushenkov</i> , Viessmann Academy Engineer
11:00-11:30	Coffee break
11:30-13:00	Solar thermal collectors. Heat pumps. Ice store systems for heat pumps <i>Svetlana Dashkevich</i> , Director of Renewable energy sources and high energy efficiency technologies Department, Viessmann
13:00-13:45	Lunch
13:45-17:00	Excursion to the United Power System Dispatch Center
17:00-18:30	Practical activity*

AUGUST 20, SATURDAY

Time	Event
09:00-10:00	Breakfast
10:30-14:30	Excursion to Museum of Military Machinery

AUGUST 21, SUNDAY

Time	Event
09:00-10:00	Breakfast
10:30-14:30	Excursion to Ganina Yama

AUGUST 22, MONDAY

Time	Event
08:30-09:00	Breakfast
09:00-11:00	Challenges for the distribution grid in Berlin/Germany <i>Gerhard Bressler</i> , Head of network connection, Stromnetz Berlin
11:00-11:30	Coffee break
11:30-13:00	State and prospects for development of power industry in Sverdlovsk region <i>Igor Chikrizov</i> , Deputy Minister of power industry and housing and public utilities of Sverdlovsk region
13:00-14:00	Lunch
14:00-17:00	Excursion to the UETM
17:00-18:30	Practical activity*

AUGUST 23, TUESDAY

Time	Event
08:30-09:00	Breakfast
09:00-09:30	Transfer to UrFU
09:30-13:00	Renewable energy sources: bioenergy, solar energy, wind energy <i>Sergey Shcheklein</i> , Prof., Doctor of Technology, Honored power engineer of Russia, Head of Department of nuclear power plants and renewable energy sources, Ural Power Engineering Institute, Ural Federal University <i>Vladimir Velkin</i> , PhD in Technology, associate professor of Department of nuclear power plants and renewable energy sources, Ural Power Engineering Institute, Ural Federal University <i>Yuriy Nemikhin</i> , head teacher of Department of nuclear power plants and renewable energy sources, Ural Power Engineering Institute, Ural Federal University
13:00-13:30	Transfer to IDGC Training Center
13:30-14:00	Lunch
14:00-18:00	Excursion to the Energy-efficient House of Department of nuclear power plants and renewable energy sources, Ural Power Engineering Institute, Ural Federal University

AUGUST 24, WEDNESDAY

Time	Event
08:30-09:30	Breakfast
09:30-11:00	Energy efficiency management of engineering systems <i>Marsel Nizamov</i> , Sales manager in Ural Federal District, Siemens
11:00-11:30	Coffee break
11:30-13:00	Strategies to shape the new energy world – Utilities in transition <i>Aurélie Babin</i> , Graduate Program Engineering, E.ON
13:00-13:30	Lunch
13:30-17:00	Excursion to Sredneuralskaya GRES (Thermal power plant)
17:00-18:30	Practical activity*

AUGUST 25, THURSDAY

Time	Event
08:30-09:30	Breakfast
09:30-11:00	Specific features of Russian legislation in the field of energy saving and increasing of energy efficiency <i>Dmitry Serebryakov</i> , Director of self-regulating organization 19 "Union "Energy efficiency" <i>Yakov Schelokov</i> , Board Chairman of self-regulating organization 19 "Union "Energy efficiency"
11:00-11:30	Coffee break
11:30-13:00	Research and information complex "Power energy map of Sverdlovsk region" <i>Aleksandr Popov</i> , Deputy director of Energy saving institute named after N.I. Danilov
13:00-14:00	Lunch
14:00-17:00	Excursion to "SVEL Group"
17:00-18:30	Practical activity*

AUGUST 26, FRIDAY

Time	Event
08:30-09:30	Breakfast
09:30-11:00	Development of distributed generation in Russia <i>Aleksandr Simonov</i> , Head of Department of perspective modes and automatic protective devices, Department of power energy systems development, branch of Research and Development Center "Automatic management technologies"
11:00-11:30	Coffee break
11:30-13:00	Presentation of results of task teams' works*
13:00-14:00	Lunch
14:00-18:00	Excursion to museum "Chudovy Istoki"