

The program Conference

«Prospects of development of electric power industry and the high-voltage electrotechnical equipment. Switching devices, converting technics, microprocessor control and protection systems»

Moscow, hotel «Holiday Inn Sokolniki», hall «Sokolniki-2»

November, 28th

8-30 - 9-30 registration
coffee break
9-30 - 18-00 working time
11-00 - 11-15 coffee break
13-00 - 14-00 lunch
16-00 - 16-15 coffee break

9.30 - 18.00

Work Conference «Prospects of development of electric power industry and the high-voltage electrotechnical equipment. Switching devices, converting technics, microprocessor control systems and protection»

Opening Ceremony

Welcome remarks

V.D. Kovalev

President of the Association TRAVEK, Ph.D.

Reports (report time – 15 minutes, discussion – 5 minutes)

1. Prospects of development of electric power industry and the high-voltage electrotechnical equipment

1-01	Directions of electric power industry development and the United national electric network of Russia and its integration into the global electric network <i>V. Barinoy, V. Isaev, N.Lisitsyn, A. Manevitch, Yu.Usachev JSC «ENIN named after G. M. Krzhizhanovsky» (Moscow, Russia)</i>
1-02	The main directions of Russian UES development in the period up to 2022 <i>E. Myagkova, E. Serdyukova The Design & Research Institute of Power Systems and Networks «ENERGOSETPROJECT» (Moscow, Russia)</i>
1-03	New technological platform of nuclear power and small nuclear power plant <i>E.Adamov JSC «NIKIET» (Moscow, Russia)</i>

1-04	<p>Problems of justification development of the «active» power supply systems</p> <p>¹N. Voropai, ²K. Suslov, ²E. Stashkevich, ²I. Shushpanov</p> <p>¹Melentiev Energy Systems Institute of Siberian Branch of the Russian Academy of Sciences (ESI SB RAS) (Irkutsk, Russia)</p> <p>²Irkutsk National Research Technical University (Irkutsk, Russia)</p>
1-05	<p>Perspective directions of development of high-voltage electrotechnical equipment for electric power industry</p> <p>L. Makarevich, V. Kovalev, V. Borin</p> <p>JSC «ELEKTROZAVOD» (Moscow, Russia)</p>
1-06	<p>Balances in the economy and energy. Forgotten theorems</p> <p>B. Nigmatulin</p> <p>Institute of problems of power engineering (Moscow, Russia)</p>
1-07	<p>Analysis of information on the results of the 46th Session of CIGRE. Study Committee A3 «High voltage equipment»</p> <p>A. Drobyshevskiy</p> <p>The Research & Design Center of Federal Grid Company of Unified Energy System (Moscow, Russia)</p>
1-08	<p>Application of High-Voltage Direct Current (HVDC) Power Transmissions in Electrical Systems</p> <p>L. Travin</p> <p>FGUP VEI (Moscow, Russia)</p>
1-09	<p>Summarizing of trends in the development and application of insulating materials according to the materials of the 46th Session of CIGRE</p> <p>A. Slavinskiy, V. Ustinov</p> <p>IZOLYATOR factory (Massa LLC) (Pavlovskaya Sloboda Village, Moscow Region, Russia)</p>
1-10	<p>Review of recent trends in application of superconductivity in power energetics (from conference EUCAS-2015 and ASC-2016)</p> <p>V. Vysotsky</p> <p>JSC «VNIIEP» (Moscow, Russia)</p>
1-11	<p>Development of superconducting cable lines in Russia and in the world and prospects of their implementation in power industry</p> <p>V. Sytnikov</p> <p>The Research & Design Center of Federal Grid Company of Unified Energy System (Moscow, Russia)</p>
1-12	<p>Superconducting fault current limiters: new opportunities in electroenergetics</p> <p>S. Samoilenkov</p> <p>CJSC «SuperOx» (Moscow, Russia)</p>

1-13	<p>Commutation test of a dc superconducting fault current limiter (FCL 4,1 kV/4 kA) is a step towards its application in JSC Russian Railways</p> <p><u>L. Fisher</u>, D. Alferov, A. Budovskii, I. Voloshin, D. Yevsin, A. Kalinov, E. Tshai <i>Joint Stock Company «National Technical Physics and Automation Research Institute» (Moscow, Russia)</i></p>
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2. High-voltage electrotechnical equipment

1-14	<p>Translation of 6-35 kV cable networks in the mode of resistive grounding of the neutral</p> <p>S. Shuvalov <i>Lenenergo (Saint-Petersburg, Russia)</i></p>
1-15	<p>JCS «RDC FGC UES» TCSR operation during single phase auto reclosing of 500 kV transmission line</p> <p><u>A.Matinyan</u>, M.Peshkov, V.Karpov, N.Alekseev <i>The Research & Design Center of Federal Grid Company of Unified Energy System (Moscow, Russia)</i></p>
1-16	<p>JCS «RDC FGC UES» TCSR operation during 500 kV transmission line energization</p> <p><u>M.Peshkov</u>, A.Matinyan, V.Karpov, N.Alekseev <i>The Research & Design Center of Federal Grid Company of Unified Energy System (Moscow, Russia)</i></p>
1-17	<p>The main provisions of the Governing Document «Power transformers. Transportation, unloading, storage, installation and commissioning»</p> <p>S.Chebotar' <i>JSC SRC «ZTZ Service» (Zaporozhye, Ukraine)</i></p>
1-18	<p>Semiconductor devices and assemblies «Proton-Electrotex» for the equipment of power electronics</p> <p>I.Vetrov, D.Malyi, <u>A. Surma</u> <i>JSC «Proton-Electrotex» (Orel, Russia)</i></p>
1-19	<p>Converter multi-winding transformer type TNCP-17000/10 for supply of variable-frequency electric drive</p> <p>Yu. Pauk, Yu.Gura, O.Dyachenko, R Kulik, <u>A.Luzhnev</u>, L.Solov'eva, E.Soja, Yu.Shishka <i>PJSC «Ukrainian research, design and technological transformer institute» (Zaporozhye, Ukraine)</i></p>

November, 29th

8-30 - 9-00 registration
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Reports (report time – 15 minutes, discussion – 5 minutes)

2. High-voltage electrotechnical equipment

2-01	About the normalization of losses and energy efficiency of distribution transformers ¹ N. Drozdov, ² V.Larin, ² A.Filippov ¹ <i>PJSC ROSSETI (Moscow, Russia)</i> ² <i>FGUP VEI (Moscow, Russia)</i>
2-02	Amorphous Core Transformers. From Materials to Total Ownership Cost via International Efficiency Standards T. Herold <i>HITACHI Metals Europe GmbH (Düsseldorf, Germany)</i>
2-03	New generation of GIS-110 kV D. Plotnikov <i>ABB Ltd. (Moscow, Russia)</i>
2-04	Gas-insulated equipment of CJSC «ZETO» – today and tomorrow D. Munshtukov, <u>D. Yaroshenko</u> , V. Ostreiko <i>CJSC «ZETO» (Velikie Luki, Russia)</i>
2-05	Heavy-current modular disconnectors of direct voltage (CJSC «ZETO» – for the international thermonuclear project ITER realized in France) D. Munshtukov, D. Yaroshenko, <u>V. Ostreiko</u> , A. Busleiko <i>CJSC «ZETO» (Velikie Luki, Russia)</i>
2-06	A high-voltage high-speed commutator for 110kV-grid protection from ultra-high fault current V. Sidorov, <u>M. Akhmetgareev</u> , G. Domashenko, L. Menakhin, Yu. Shcherbakov <i>FGUP VEI (Moscow, Russia)</i>

2-07	<p>The actual issues of development the devices for controlled switching</p> <p><u>A.Krayachich</u>, A.Stradomskiy, Yu.Sushok <i>LLC «ASU-VEI» (Moscow, Russia)</i></p>
2-08	<p>Assessment of electrical insulation condition by measurement of isothermal relaxation current</p> <p><u>A.Kononenko</u>, A. Khokhryakov, G. Shikil, S.Belousov, D.Ratnikov <i>Research Institute of Scientific Instruments (Lytkarino, Russia)</i></p>
2-09	<p>The novelty and peculiarities of vacuum-pressure impregnation and vacuum casting machines produced by TC Windeq</p> <p>D. Korolkov <i>TC WindEq (Podolsk, Russia)</i></p>
2-10	<p>Innovative Equipment for Resin Casting in the Electrical Industry</p> <p>P. Kats <i>HÜBERS Verfahrenstechnik Maschinenbau GmbH (Bocholt, Germany)</i></p>

3. The testing issues of high voltage electrotechnical equipment

2-11	<p>Federal Test Center. The concept of the development. The organization of the Association of testing centers</p> <p>D.Kopchenkov <i>Federal Test Centre (Saint-Petersburg, Russia)</i></p>
2-12	<p>Comparison of high-frequency switching overvoltage level in High Voltage GIS, with voltage values required in case type tests</p> <p>A. Gul <i>ABB Sp. z o.o. (Warszawa Poland)</i></p>
2-13	<p>High-voltage testing and measurement systems. A brief overview</p> <p>K. Isaev <i>SPV «Electromash» Ltd.(Novocherkassk, Russia)</i></p>
2-14	<p>The issues of testing power transformers for resistance to short circuits</p> <p>V.Larin <i>FGUP VEI (Moscow, Russia)</i></p>

4. Research and modeling of electrical equipment for use in electric power systems

2-15	<p>Modal configuration of system stabilizer of energy system taking into account nonlinear information</p> <p>Yu. Sharov, <u>M. Gadzhiev</u> <i>National Research University «MPEI» (Moscow, Russia)</i></p>
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2-16	<p>Cutting-edge approaches of modeling electrotechnical equipment and secondary switching equipment for overcoming contemporary challenges of electrical power systems evolving</p> <p>¹P. Il'ushin, ²<u>A.Simonov</u></p> <p>¹<i>Inspection of control over technical condition of objects of electric energy industry (Moscow, Russia)</i> ²<i>Scientific and Technical Center of Unified Power System (Moscow, Russia)</i></p>
2-17	<p>Analysis of influence of DG's automatic excitation regulators toward reliability of electric power supply</p> <p>¹P. Il'ushin, ²<u>K.Perevalov</u></p> <p>¹<i>Inspection of control over technical condition of objects of electric energy industry (Moscow, Russia)</i> ²<i>Scientific and Technical Center of Unified Power System (Moscow, Russia)</i></p>
2-18	<p>Approaches to the choice of scheme-operational situations to determine the settings of automatic voltage regulators of generators</p> <p>¹ P. Il'ushin, ²T.Klimova, ²<u>D.Serov</u></p> <p>¹<i>Inspection of control over technical condition of objects of electric energy industry (Moscow, Russia)</i> ²<i>National Research University «MPEI» (Moscow, Russia)</i></p>
2-19	<p>Technical and feasibility grounds of approaching critical load transient stability at industrial facilities with seamless technological flows</p> <p>P. Il'ushin, <u>S.Muzalev</u></p> <p><i>Inspection of control over technical condition of objects of electric energy industry (Moscow, Russia)</i></p>
2-20	<p>Bridge rectifier with shunt thiristor</p> <p>S. Smirnov, <u>N. Dzhus</u>, V. Mal'kov, A. Magnitskiy <i>JSC «ELEKTROZAVOD» (Moscow, Russia)</i></p>
2-21	<p>Special aspects of drawing of the transport and distribution DC networks</p> <p>¹<u>M. Druzhinin</u>, ²R. SHul'ga</p> <p>¹<i>National Research University «MPEI» (Moscow, Russia)</i> ²<i>FGUP VEI (Moscow, Russia)</i></p>