

REGISTRATION OF THE PARTICIPANTS

Tuesday, June 16, 09:30 – 11:00

University building 3, lobby of the 1st floor

PLENARY SESSION

Session 1

Tuesday, June 16, 11:00 – 13:30

Hall 5

1. Rector of the University “LETI” D.V. Pusankov

Welcome address of the President of Symposium

2. Elya B. Joffe

The Discipline of EMC – from the “Garbage of Electronics to Intersystem Compatibility”

3. Short film about Alexander S. Popov

4. Golovkov A.A.

The initial stages of formation of scientific researches and education of radio engineering specialists in ETI - LETI
Russia

5. Representative of ROHDE & SCHWARZ - the General Sponsor of the Symposium

6. Michel Ianoz.

High power electromagnetics. A review
Switzerland

Session 2

Tuesday, June 16, 14:30 – 16:00

Hall 5

1. Chertkov K.A., Simonov D.N.

Modern practice of FSUE «RFC NWFД» in the disclosing of reasons of EMC infringements at working of radio-electronic and technical means of various purposes

Russia

2. Sivkov V.S., Spodobaev Yu.M.

A problem of electromagnetic monitoring and geocological mapping

Russia

3. Karmashev V.S., Tukhas V.A.

Trends of development for domestic normative base, for means of measurement and tests in the field of electromagnetic compatibility

Russia

SECTION 1

EMC OF ELECTRICAL POWER EQUIPMENT

Chiefs of the Section: Prof. M.Ianoz, Prof. N.V. Korovkin

Session 1

Wednesday, June 17, 10:00 – 11:30

Hall 1

1. Dovbysh V.N., Spodobaev Yu.M., Maslov M.Yu.

Electromagnetic safety of power system elements

Russia

2. Spodobaev Yu.M., Maslov M.Yu.

Modern problems of electromagnetic safety of power systems

Russia

3. Gizatullin R.M.

Modelling of propagation of electromagnetic pulses in a two-wire line of a power network

Russia

4. Misrikhanov M.Sh., Rubtsova N.B., Tokarskiy A.Yu.

Maintenance of electromagnetic compatibility and safety for protective reactor

Russia

5. Rubtsova N.B., Tokarskiy A.Yu., Misrikhanov M.Sh.

Electromagnetic fields of industrial frequency. Maintenance of industrial and ecological safety

Russia

Session 2

Wednesday, June 17, 12:00 – 13:30

Hall 1

1. Shishigin S.L., Korovkin N.V., Krivosheyv S.I., Bocharov Ju.N., Nenashev A.H., Parfentyev A.A., Minevich N.G., Natreba K.I.

The identification of the RLC-parameters of grounding system of transmission lines by the pulse method
Russia

2. Danilin A.N., Kuklin D.V.

Pulse measurements of ground devices of high-voltage substations and aerial-line tangent towers on accessways
Russia

3. Korovkin N.V., Shishigin S.L.

Calculation methods for ground devices in EMC problems of power plants and substations
Russia

4. Kostrominov A.M., Kostrominov Alexander A., Kostrominov Alexey A., Biryukov A.P.

Models of overvoltages caused by lightning on ground devices
Russia

5. Farafonov V.E., Chtmborisova N.Sh.

Technique of normalization for a voltage level in EES
Russia

Session 3

Wednesday, June 17, 14:30 – 16:00

Hall 1

1. Magnus Olofsson, Ulf Grape.

Framework for electromagnetic compatibility in electric power systems
Sweden

2. Klokov V.V., Losev V.L., Popovich A.B., Silin N.V.

Diagnostics of power electric equipment according to its parasite electromagnetic radiation
Russia

3. Klokov V.V., Losev V.L., Popovich A.B., Silin N.V.

Emitting model of the power electric equipment
Russia

4. Chistyakov G.N., Belyatv R.Yu., Platonova E.V.

Monitoring of electromagnetic conditions nearby a power line in asymmetrical modes
Russia

Session 4

Thursday, June 18, 10:00 – 11:30

Hall 1

1. Dovbysh V.N.

Computation of the electromagnetic fields created by feed circuits of electrical transport
Russia

2. Ptitsyna N.G., Kopytenko Yu.A.

Specificity of EMC for urban rail electrical transport
Russia

3. M.Van Den Bergh, E. Sugrue.

EMC considerations for aircraft power systems
USA, Ireland

4. J. Chilo, C. Karlsson, P. Ängskog, C. Elofsson, P. Stenumgaard.

Characterizing electromagnetic interference in vicinity to a railway freight train
Sweden

5. Ashish Sharma, Vivek Agarwal.

Selecting optimum heat sink for emi mitigation in aircraft power supplies
India

Session 5

Thursday, June 18, 12:00 – 13:30

Hall 1

1. Kostrominov A.M., Korolev M.Yu., Gavrilov V.V., Kryuchkova T.V.

Ensuring of EMC in RFID – technologies

Russia

2. Nilolaev P.A.

Influence of electric load in vehicle on electromagnetic interferences caused by ignition system

Russia

3. Greshnyakov G.V., Korovkin N.V., Kulikov A.V.

Pulse low-inductance high-voltage heavy-current cable for connection of loads with power supplies

Russia

4. Il'yn V.F., Kotel'nikov A.G., Ulyakhin S.V.

Stability of relay protection systems to influence of pulse disturbances

Russia

5. Rachidi F., Korovkin N., Smorgonskiy A.

A new complex method for analysis of lightning protection of wind power plants

Switzerland, Russia

Стендовые доклады

Wednesday, June 17, 16:30 – 18:00

Hall 5

1. Losev V.L., Dima M.V.

Generating electromagnetic fluctuations by electric condenser

Russia

2. Selivanov V.N.

The free of charge software of educational process at EMC courses

Russia

3. Belyaev N.A., Korovkin N.V., Chudniy V.S.

Optimization of electrical power systems with a view of improvement of electromagnetic compatibility

Russia

4. Goncharov V.P., Ksenofontov V.A., Molochkov V.F., Siniy L.L., Filatov M.M.

Static magnetic field disturbance near water – water nuclear reactor core at attainment of power

Russia

Section 2

ELECTROMAGNETIC INTERACTION AND SHIELDING

Chief of the Section - V.N. Sarylov

Session 1

Tuesday, June 16, 16:30 – 18:00

Hall 2

1. Akbashev B.B., Kechiev L.N.

Shield efficiency of screens at presence of apertures

Russia

2. Wissem Yahyaoui, Fabrice Duval, Lionel Pichon.

3D magnetic near field calculation from PEEC method application to the radiation of cables

France

3. David V., Nica I., Baltag O., Salceanu A.

Electromagnetic simulation and field measurements in a shielded room destined for biomedical applications

Romania

4. Sarylov O.V., Sarylov V.N., Filatov M.M., Golovchenko V.I.

Research of characteristics of radar stations for the definition of an opportunity of their installation in structure of systems physical protection for the objects using atomic energy

Russia

5. Kirillov V.Yu., Kornilov A.B., Gordeev S.V.

Flexible shielding materials for reduction of radiated interference emission by electronic devices

Russia

Стендовые доклады

Wednesday, June 17, 16:30 – 18:00

Hall 5

4. Safonov A.A., Safonov A.A.

Developing of coal-plastic for study of influence of reinforcement schema on shielding properties

Russia

2. Ruzhnikov V.A.

Prognostication of the electromagnetic situation over distributive networks of the cable television
Russia

3. Maslov M.Yu., Semakov L.M.

Estimation of the by-product electromagnetic radiations of computers by experiment-calculated modelling.
Russia

Section 3

SPECTRUM MANAGEMENT AND MONITORING

Chief of the Section - Prof. I.P. Kharchenko

Session 1

Tuesday, June 16, 16:30 – 18:00

Hall 1

1. Antipin B.M.

Topical problems of functioning of the domestic automated spaced radiomonitoring systems
Russia

2. Slobodyanyuk P.V., Skrynnik P.V., Sidak A.S.

The technical monitoring of radiations of radio-electronic facilities related to the fixed microwave radio services in the Ukraine
Ukraine

3. Slobodyanyuk P.V., Hairov E.V., Blagodarniy V.G.

The automated radiomonitoring system of the common users in the Ukraine. Its place and role in the using regulation of a radio-frequency resources
Ukraine

4. Alexeev S.M., Homskov E.V.

The automated system of radiomonitoring and trends of its development
Russia

Section 4

EMC IN RADIO ELECTRONIC SYSTEMS

Chiefs of the Section: Prof. V.P. Ipatov, Prof. S.B.Makarov, Dr. V.S. Gutin

Session 1

Wednesday, June 17, 12:00 – 13:30

Hall 4

1. Mordachev V.I.

EMC of terrestrial stations of space operation and space research services with onboard radio systems of air radionavigating service
Biellarus

2. Назаров А.В., Ефимов В.В., Крячко А.Ф.

Ensuring of electromagnetic compatibility of elements of the radio-electronic equipment of a space vehicle on the basis of calculations in neuronet basis
Russia

3. Smirnov N.I., Karavaev Yu.A., Kuskov V.D., Novikova E.L.

Some problems of electromagnetic compatibility in unified multipurpose telecommunication system "land-space"
Russia

4. Bykhovskiy M.A.

An interference decreasing method in satellite networks using satellites on near positions of geostationary orbit
Russia

5. Kryachko M.A., Makarov S.B.

The analysis of electromagnetic compatibility of on-board communication facilities at using of spectral-effective signals on the basis of atomic functions
Russia

Session 2

Wednesday, June 17, 14:30 – 16:00

Hall 4

1. Shevchenko M.E.

The algorithm of joint detection and frequency, signal, directional of arrival estimation of radio sources at a three-element array
Russia

2. Chemarov A.

The signal detection / direction finding algorithm in a wide simultaneous scan band
Russia

3. Samoilenko A.V., Shevchenko V.N.

Метод поляризационно-чувствительной частотно-временной локализации априорно неизвестных широкополосных сигналов

Russia

4. Ivanov N.M., Onishchenko V.S., Shevchenko V.N.

Method of spatial - polarizing localization of radio emissions

Russia

5. Sorokin L.V., Litvin O.N.

Electromagnetic compatibility "crash-test" for airborne electronic equipment

Russia

Session 3

Thursday, June 18, 10:00 – 11:30

Hall 4

1. Gayvoronskiy D.V., Ipatov V.P.

Improvement possibilities of characteristics of range-measuring signals due to complication of chip structure

Russia

2. Kryachko A.F., Kuxenko M.A., Loskutov A.I., Girzhev O.A., Yazhenko A.Yu.

Estimation of electromagnetic compatibility for telemetry radio lines and their protection at influence of imitating interferences

Russia

3. Kryachko A.F., Kuxenko M.A., Loskutov A.I., Chernyshev V.I.

Features of ensuring of disturbance immunity for telemetry radiolines at the non-authorized intrusion

Russia

4. Karavaev Yu.A., Melnik S.V., Petrova E.N., Smirnov N.I.

Modelling of electromagnetic compatibility for user's devices of 3G mobile communication networks with WCDMA interface

Russia

5. Masao Masugi, Norihito Hirasawa.

Analysis of telephone-audible noise using two-dimensional clustering scheme.

Япония

Session 4

Thursday, June 18, 12:00 – 13:30

Hall 4

1. Alter L.Sh., Podmankov I.I., Sviridenko M.V.

Forecasting EMC for radio-electronic facilities on local object

Russia

2. Roenkov D.N., Rogal'chuk V.V., Fyodorov M.R., Shmatchenko V.V.

The computer program for calculation of characteristics of a technological railway radio communication networks in a range 160 MHz

Russia

3. Parfenov Y., Titov B., Zdoukhov L.

The probabilistic analysis of immunity of the data transmission channel to influence of periodically repeating voltage pulses

Russia

4. Gizatullin Z.M., Chermoshentsev C.F.

The analysis of electromagnetic compatibility of electronic facilities at external complex electromagnetic influences

Russia

Section 5

ANTENNAS AND PROPAGATION

Chiefs of the Section: Prof. G.G. Chavka, Prof. A.K. Tomilin

Session 1

Tuesday, June 16, 16:30 – 18:00

Hall 3

1. Mishchenko S.E., Kolesnikov V.N., Mishchenko E.N., Shatskiy V.V.

A method of the noise compensation in the antenna arrays

Russia

2. Gabriel'yan D.D., Shatskiy V.V., Gerasimov N.I., Peretyat'ko T.V.

Minimization of scattered power by symmetric vibrator and the vector radiator by using of complex loadings in arms

Russia

3. Mishchenko S.E., Kolesnikov V.N., Shatskiy V.V.

Increasing the interference immunity of the wide band radio electronic systems by means of the method of the noise compensation

Russia

4. Shatskiy V.V., Voloshina V.A., Voloshin V.A.

The influence of the slope angle of the arms of the crossed dipoles on the radiation and scattering characteristics of the antenna array of the transportation facility

Russia

5. Mishchenko S.E., Zelenenko A.T., Mishchenko E.N., Shatskiy V.V.

A method of the noise auto compensation in the radiolocation stations with the conical scan

Russia

Session 2

Wednesday, June 17, 10:00 – 11:30

Hall 3

1. Mishchenko S.E., Starchenko A.V.

Vector synthesis of antenna array

Россия

2. Nikolaev V.A., Timasheva T.G.

Electromagnetic compatibility in active antenna array

Russia

3. Ballandovich S.V., Kostikov G.A., Sugak M.I.

Electromagnetic compatibility improvement of radiosystems with printed reflective antenna arrays

Russia

4. Labun'ko O.S.

Theoretical research of an electromagnetic field of system of dipole antennas in the multilayered conducting environment

Russia

Session 3

Wednesday, June 17, 12:00 – 13:30

Hall 3

1. Ostashev V.E., Lebedev E.F., Ul'yanov A.V., Fedorov V.M.

Models of radiators for videopulses with the nano- and sub-nanosecond duration developed by Joint Institute of High Temperature (RAS)

Russia

2. Bank M., Haridim M., Levin B.

Linear radiators in near zone

Israel

3. Zvezdina M. Yu., Labun'ko O.S., Zabelkin S.N., Mednaya M.M., Samoylenko A.V.

Surface wave influence on radioelectronic systems electromagnetic compatibility

Russia

4. Gabriel'yan D.D., Zvezdina Yu.A., Evseev A.V., Sil'nytsky S.A.

Electromagnetic compatibility of radioelectronics when using the spatial selection of correlated signals

Russia

5. Gabriel'yan D.D., Zvezdina M. Yu., Labun'ko O.S., Bezuglov E.D., Podzorov A.V.

Cylinder antenna array selection for EMC and EME enhancement

Russia

Session 4

Wednesday, June 17, 14:30 – 16:00

Hall 3

1. Chavka G., Garbaruk M.

Two-element ultrawideband antennas for radiocommunication systems

Poland

2. Chavka G.

A new scattering matrix of multiport broadband antenna array

Poland

3. Chavka G., Nowakowski M.

Analysis of antenna array for ultra-wideband systems based on the new scattering matrix

Poland

4. Nikolaev V.A., Timasheva T.G.

Protection against electromagnetic radiation

Russia

5. V. Doric, D. Poljak, V. Roje.

Direct time domain analysis of a lightning rod based on the antenna theory

Croatia

Session 5

Thursday, June 18, 10:00 – 11:30

Hall 3

1. Demyanenko Petro O., Zinkovskij Yuri F., Prokof'ev Mychajlo I.

About coherence of submillimeter electromagnetic waves

Ukraine

2. Potapov A.A.

Operators of fractional integro-differentiation, fractals and scaling in current problems of radio engineering, radar and information processing

Russia

3. Ostrovskiy N.V.

To the mechanism of the Electromagnetic radiation impulse generation (on example of electronic transition in hydrogen atom)

Russia

4. Tomilin A.K.

Generalized theory of the electromagnetic field

Respublic of Kazakhstan

Стендовые доклады

Wednesday, June 17, 16:30 – 18:00

Hall 5

1. Asovich P.L., Zhukov S.A., Pakhar' M.G., Polevoy V.V., Shostakovich S.B.

A broadband isolation device for stabilize the working mode of radio transmitters, and provide the directed power adding for an antenna array with four radiators

Russia

2. Levin B.

The reciprocity theorem for a reflectarray

Israel

Section 6

RADIO ELECTRONIC EQUIPMENT DESIGN WITH REGARD TO EMC

Chiefs of the Section: Prof. E.B. Solovyeva, Prof. A.M. Kostrominov

Session 1

Thursday, June 18, 10:00 – 11:30

Hall 2

1. Babushkina O.A., Golovkov A.A., Nikolaev P.V.

The improved designs of rectangular waveguide elbows in E-and H-planes on 90 and 135 degrees

Russia

2. Worshevsky A.A.

Pulse voltages in shipboard electrical systems as important factor for EMC

Russia

3. Chavka G.

Computer synthesis of double - band filters for radiocommunication systems

Poland

4. Chavka G., Litwinczuk N.

Computer-aided design and experimental research of multiple broadband amplifiers

Poland

5. Ruzhnikov V.A., Soklakova M.V., Chernyshev E.P.

Features of application of the theory of discrete circuits at research of the stability of self-oscillations in relay electrical and radio-electronic systems

Russia

Session 2

Thursday, June 18, 12:00 – 13:30

Hall 2

1. Solovyeva E.B., Degtyarev S.A.

Struggle against the pulse disturbances by perceptron filters with splitter

Russia

2. Dianov V.N.

EMC in problems of reliability increasing and quality advance

Russia

3. Sinkevich E.V. AM-PM conversion simulation technique for discrete nonlinear analysis of electromagnetic compatibility
Belarus

4. Andreev V.A., Popov V.B.

EMC of circuits of long-term cables for telephone station

Russia

5. Kechiev L.N., Smirnov A.M., Solov'ev A.V., Nisan A.V.

Mathematical models for calculation of wave resistance of microstrip transmission lines

Russia

Стендовые доклады

Wednesday, June 17, 16:30 – 18:00

Hall 5

1. Solovyov A.A.

Amplitude-and-phase compensator of nonlinearity of amplification path amplitude characteristic

Russia

2. Averina L.I., Shaposhnikova J.V.

Electromagnetic compatibility characteristics of microwave mixers

Russia

3. Averina L.I., Sbitnev U.P., Shutov V.D.

Methods of nonlinear products' reduction for multi-stage microwave amplifiers

Russia

4. Bobreshov A.M., Kitaev Yu.I., Uskov G.K., Rudnev E.A.

Features of diodes with accumulation of a charge at supershort pulsing

Russia

Section 7

EMC RELATED TO PCB'S AND ELECTRONIC COMPONENTS

Chief of the Section - Prof. S.F. Chermoshentsev

Session 1

Friday, June 19, 10:00 – 11:30

Hall 1

1. Bobreshov A.M., Dybov A.V., Razuvaev Yu.Yu.

Experimental research of influence of supershort pulse overloads on change of threshold levels in Schmitt trigger

Russia

2. Bobreshov A.M., Korovchenko I.S., Stepkin V.A., Uskov G.K.

Characteristics of EMC for Low-Noise Amplifiers under the influence of supershort videopulses

Russia

3. Gizatullin Z.M., Chermoshentsev S.F.

The analysis of electromagnetic disturbances in unscreened twisted pair under external harmonious electromagnetic influence

Russia

4. Suzdal'tsev I.V., Chermoshentsev S.F.

EMC criteria and evolutionary algorithms of module composition in computing devices

Russia

5. Susdal'tsev I.V., Chermoshentsev S.F.

Design technique for printed-circuit-boards of electronic computer devices with using the evolutionary algorithms

Russia

6. Jong Hwa Kwon, Dong Uk Sim, Sang Il Kwak, Je Hoon Yun, Jong Gwan Yook.

Novel placement of EBG unit cells on both power and ground planes for wideband suppression of simultaneous switching noise in high-speed circuits

Korea

Стендовые доклады

Wednesday, June 17, 16:30 – 18:00

Hall 5

1. K. Kondo, S. Yoshida, H. Ono, Y. Toyota.

Band elimination characteristics of EBG structure containing high permeability ferrite thin films

Japan

2. S. Yoshida, K. Kondo, H. Ono , T. Kubodera

Suppression of GHz noise emitted from PWBs with directly plated ferrite thin films

Japan

Section 8

EMC MONITORING, MEASUREMENTS, CERTIFICATION, TEST EQUIPMENT

Chiefs of the Section: Prof. A.A. Worshevsky, Prof. V.A. Tukhas

Session 1

Tuesday, June 16, 16:30 – 18:00

Hall 4

1. Tkachenko S., Nitsch, J., Vick, R., Vodopianov, G.

Simulation of mode stirred chambers by the small antenna method

Germany

2. Torsten Steinmetz, Steffen Schulze, Jürgen Nitsch , Ralf Vick.

Measurement of scattering parameters for nonuniform statistical transmission lines

Germany

3. Bernd W. Jaekel

Description and classification of electromagnetic environments – situation and progress Germany

4. Karl-Heinz Weidner

Time-domain scan increases speed of CISPR 16 compliant EMI measurements

Germany

5. Sandeep M. Satav, Vivek Agarwal

Design, development and “do-it-yourself” fabrication of an E-field probe for isotropic EMI measurement

India

Session 2

Wednesday, June 17, 10:00 – 11:30

Hall 4

1. Kazansky N.L., Rakhaeva E.A., Podlypnov G.A., Rakhaev A.A., Suhov V.V., Sarzhin M.A.

Method for calculation of TEM- and GTEM-cells electrodynamic characteristics

Russia

2. J. Vazquez, F. Sequeiros, R. Martinez, F. Cano

Detection of arcing/sparking in aircraft composite structures subjected to lightning discharges

Spain

3. Uwe Kartmann

Conformity assessment for wide band data transmission Equipment under EU MRAS

Germany

4. Laurent Guibert, J-P. Parmantier

EMC study of an embedded electronic system placed in a hostile electromagnetic environment

France

5. Miropolsky Sergey, Frei Stephan.

Comparison of emc immunity test methods for automotive electronics at IC and system level

Germany

Стендовые доклады

Wednesday, June 17, 16:30 – 18:00

Hall 5

1. Asovich P. L., Polevoy V.V., Shostakovich S. B., Zhukov S. A.

Advantages of the portable impedance analyzer on the basis of measurement line for decision some EMC problems in a radio-frequency range

Russia

2. Siny L.L., Dmitriev Yu.V., Molochkov V.F., Neustruev V.V.

Generation and measurement of electromagnetic pulses with rise time down to 30 ps

Russia

Section 9

NATURAL EMC RADIATION: SOURCES AND INFLUENCE

Chiefs of the Section: Prof. Larkina V.I., Dr. Trichtchenko L.

Session 1

Thursday, June 18, 12:00 – 13:30

Hall 3

1. Larkina V.I., Ruzhin Yu.Ya.

The response of the ionospheric plasma on variations of natural and man-caused ecological conditions
Russia

2. Trichtchenko L., Danskin D.

Addressing the needs of pipeline industry
Канада

3. Trichtchenko L., Boteler D.H.

Reducing the impact of natural electromagnetic environment (GIC) on vulnerable infrastructure: hazard
Канада

4. Kovalev M.A.

Algorithm of identification of hydrometeorological formations over polarizing attributes at electromagnetic atmospheric monitoring
Russia

5. Kovalev M.A.

Modelling technique of hydrometeorological formations and the radar-tracking signals reflected from them at electromagnetic atmospheric monitoring
Russia

Session 2

Friday, June 19, 10:00 – 11:30

Hall 3

1. Sakharov Y.A., Kudryashova N.V., Danilin A.N., Ostafiychuk R.M., Saranskiy S.N.

Geomagnetic disturbances and railway automatic failures
Russia

2. Sakharov Ya.A., Danilin A.N., Ostafiychuk R.M., Katkalov Yu.V., Kudryashova N.V.

Geomagnetically induced currents in the power systems of the kola peninsula at solar minimum
Russia

3. Ptitsyna N.G., Kasinskiy V.V., Villoresi G.

Effects of the natural geomagnetic field in deformation of railroad tracks
Russia

4. Ptitsyna N.G., Kasinskiy V.V., Tyasto M.I., Villoresi G.

Growth of refusals of railway automatics and telemetry devices during geomagnetic storms
Russia

Session 3

Friday, June 19, 12:00 – 13:30

Hall 3

1. R. J. Pirjola

Effects of inaccuracies in power network data on calculations of geomagnetically induced currents
Finland

2. A. T. Viljanen, R. J. Pirjola, K. M. Pajunpää, A. A. Pulkkinen

Measurements of geomagnetically induced currents by using two magnetometers
Finland, USA

3. Karpunin V.V., Startsev V.P., Likholetov S.M.

Some study aspects of natural electromagnetic radiations in territory of the Volgograd area
Russia

4. Kirillov V.Yu., So Aung

Calculation of an electromagnetic pulse of a lightning discharge
Russia, Myanmar

Стендовые доклады

Wednesday, June 17, 16:30 – 18:00

Hall 5

1. Andrzej Sowa

Overvoltages in signal cables during direct lightning strike to LPS of structure
Poland

2. Andrzej Sowa

Coordination the properties of SPD type 1 in low-voltage power systems with EMC requirements
Poland

Section 10

BIOLOGICAL EFFECTS OF EM FIELDS

Chiefs of the Section: Prof. V.N. Nikitina, Prof. V.I. Mordachev

Session 1

Wednesday, June 17, 10:00 – 11:30

Hall 2

1. Nikitina V.N., Nifontova T.I., Kalinina V.N., Timokhova G.N.

The hygienic characteristic of thermal power station as a source of electromagnetic pollution of the environment
Russia

2. Walter Van Loock

Basic effects in humans exposed to electromagnetic energy, occurrence of cancer and protection
Belgian

3. R. Doebbelin, T. Winkler, A. Lindemann

Application of field compensation for mitigation of magnetic field exposure caused by d.c. power pulses
Germany

4. N. Carranza, J. Garcia, V.M. Febles, J.C. Fernández-Aldecoa, J.L. Monteagudo, V. Ramos

Evaluation of electromagnetic compatibility and safety assessment in healthcare environment
Spain

Session 2

Wednesday, June 17, 12:00 – 13:30

Hall 2

1. Makarova Yu. S., Chermoshentsev S.F.

The placement of electronic devices in an intellectual building regarding the criterion of by-product electromagnetic radiations and inducings
Russia

2. Knyazeva I.R., Bolshakov M.A., Zharkova L.P., Rostov V.V.

The analysis of parameters of oxidative modification of lipids and fibers after influence of nanosecond pulse-periodic microwave radiation
Russia

3. Zharkova L.P., Knyazeva I.R., Afanas'ev K.V., Kutenkov O.P., Rostov V.V., Bolshakov M.A.

Effect of pulse-periodic microwave radiation with nanosecond pulses on healing of superficial wounds at mice
Russia

4. Zyuzina I.V., Christoforova N.K.

Influence on health of workers in a ship-repair factory of the electromagnetic radiation at repair and test of the navigation equipment
Russia

5. Kaydakova N.N., Semenyuk A.N.

Problems and prospects of an estimation of electromagnetic fields in Republic of Kazakhstan
Republic of Kazakhstan

Session 3

Wednesday, June 17, 14:30 – 16:00

Hall 2

1. Mordachev Vladimir I.

Estimation of the level of the electromagnetic background formed by mass use of cellular communications
Republic of Bielarus

2. Korchevskiy A.A., Semenyuk A.N.

About a total estimation of influence electromagnetic field
Republic of Kazakhstan

3. Vasil'eva T.I.

Influence of electromagnetic fields caused by a cellular telephone upon hormonal contents in an oral liquid of schoolboys
Russia

4. Semenova Yu.I., Yazykova M.Yu.

Section 11

ENSURING OF ELECTROMAGNETIC SAFETY FOR TECHNICAL EQUIPMENT

Chiefs of the Section: Prof. L.N. Kechiev, Dr. N.B. Safronov

Session 1

Friday, June 19, 10:00 – 11:30

Hall 2

1. Akbashev B.B., Nikiforov N.V., Safronov N.B.

About necessity of development of special technical specifications for ensuring of safety of objects of town-planning activity

Russia

2. Bogdanov V.N., Zhukovskiy M.I., Safronov N.B.

Guidelines for researches on the development of national standard system for protection of the information against deliberate electromagnetic influences

Russia

3. Kechiev L.N., Parfenov Yu.V., Safronov N.B., Siniy L.L.

Problem state of protection of technical devices from deliberate electromagnetic influences

Russia

4. Akbashev B.B., Baydin F.N., Goncharov Yu.D., Martynyuk D.V., Safronov N.B., Ryzhov F.S., Uvarov O.V.

New technologies of architectural shielding of buildings and rooms

Russia

Session 2

Friday, June 19, 12:00 – 13:30

Hall 2

1. Ostashev V.E., Ul'yanov A.V.

Radiated power of supershort pulses in the given frequency band

Russia

2. Ostashev V.E., Ul'yanov A.V.

Criteria and criterial parameters of pulse electromagnetic influence

Russia

3. Razumov A.V.

Experimental researches of influence of nanosecond electromagnetic pulses of high power on peer computer network

Russia

4. Kolbanev M.O., Razumov A.V.

Problem of protection of technical devices of supervision systems from influence of powerful electromagnetic radiations

Russia

5. Gaynutdinov R.R., Gizatullin R.M.

Estimation of efficiency of shielding of walls of buildings under the influence of a superbroadband electromagnetic pulse

Russia

Стендовые доклады

Wednesday, June 17, 16:30 – 18:00

Hall 5

1. Kirichek R.V.

The analysis of stability of a batch ring functions in conditions of the increased level of electromagnetic interferences

Russia

2. Sukhorukov S.A.

Research of functioning of "SVTI" at non-authorized electromagnetic influences by low-voltage one-pass millisecond pulses of a voltage

Russia

3. Semakov L.M., Sitnikova S.V.

Estimation for by-product of electromagnetic radiation of the videoterminal - a theory and experiment

Russia