

## Program

### ELTECS 2019 TIMETABLE

	<b>June, 24</b> <b>Monday</b>	<b>June, 25</b> <b>Tuesday</b>	<b>June, 26</b> <b>Wednesday</b>
10.00	Registration	Keynote Report	Discussion
11.00	ELTECS 2019 Opening	<i>Coffee-break</i>	<i>Coffee-break</i>
11.15		Session Reports	Departure
12.00	<i>Coffee-break</i>		
12.15	Keynote Report		
13.00	<i>Lunch</i>	<i>Lunch</i>	
14.00	Common Session Reports	Session Reports	
17.00	Excursion to the factory of sparkling wines Degustation	Tour of Odessa	
19.00	Friendly Dinner		

**The work of the conference will be held in sections:**

<b>Keynote reports, Common Session reports</b>	IEE, room 207
<b>Section 1</b>	Electrotechnic Systems(IEE, room404)
<b>Section2</b>	Computer Systems(IEE, room408)

### Brief Schedule

**June, 24**

Opening of 5th International Scientific-practical Conference

**11.00 – 11.15** «ELECTROTECHNIC AND COMPUTER SYSTEMS. THEORY AND PRACTICE» ELTECS – 2019

Keynote report

**11.15 – 12.00** **Compact controllable overhead transmission lines**

Postolati Vitaly, *Academician, DrS, Institute of Power Engineering, Republic of Moldova*

**12.00– 12.15** **Coffee-break**

Keynote report

**12.15 – 13.00** **Instrumentation and Control Systems for Ukrainian NPP Safety**

Yastrebenetsky Mikhail, *DrS, Professor, State Scientific Technical Centre of Nuclear and Radiation Safety (SSTC NRS), Ukraine (co-authored with Klevtsov Alexander, Trubchaninov Sergei)*

**13.00 – 14.00** **Lunch**

**14.00 – 16.30** Session Reports

**17.00 – 19.00** Excursion to the factory of sparkling wines. Degustation

**19.00** Friendly Dinner

**June, 25**

Keynote report

**IoT and Augmented Reality for Art. Fluid Abstract Painting** (Interactive Lecture-Discussion)

**10.00 – 10.45** Olena Golembovska, *editor in chief of the IT-magazine “CarteBlanche”, Ukraine*

Vyacheslav Kharchenko, *DrS, Professor, Head of the Computer Systems, Networks and Cyber Security (CSNCS) Department, National Aerospace University KhAI, Ukraine*

<b>10.45 – 11.15</b>	<b><i>Coffee-break</i></b>
<b>11.15 – 13.00</b>	Session Reports
<b>13.00 – 14.00</b>	<b><i>Lunch</i></b>
<b>14.00 – 16.00</b>	Session Reports
<b>17.00</b>	Tour of Odessa

## Session Reports. Detail Schedule

**June, 24**

## Section 1

## Electrotechnic Systems

## Section 2

## Computer Systems

Room 207

*Moderators: Berzan V. P., Postolaty V. M.*

**14.00 – 14.20**

**Indre Gheorghe.** Energy trilemma an important challenge of the contemporary world

## 14.20 – 14.40

Tsutsuianu Ovidiu. Eco-design of Electrical Equipment

**14.40 – 15.00**

**Gaiceanu M., Ghenea Iu.** Microgrids – Increasing Energy Reliability and Security

**15.00 – 15.20**

**Berzan V. P., Postolaty V. M., Bykova E. V., Cherney M. I., Volkonovich Liviu.** Tendencies and risks for the provision of natural gas of the Republic of Moldova

**15.20 – 15.40**

## Ermurachi Iurie, Berzan V. P. Power Converter with High Value of Power Factor

**15.40 – 16.00**

**Patsyuk V. I., Berzan V. P., Rybakova G. A.** Mathematical model of a three-phase electric line with split phases

**16.00 – 16.20**

**Leu Vasile, Cernei Mihail.** Centralised Heating Systems: Reality and Perspectives

**16.20 – 16.40**

**Oleschuk V., Ermuratskii V.** Power Balanced Regulation of Quad-Inverter Installation with Modified Discontinuous PWM

June, 25

**Section 1**

**Electrotechnic Systems**

*Room 404*

*Moderators: Busher V. V., Kvashnin V. O.*

- |                      |   |
|----------------------|---|
| <b>11.15 – 11.35</b> | <b>Malyar V. S., Hamola O. Ye., Maday V. S., Vasylchyshyn I. I.</b> Mathematical Models and Characteristics of Asynchronous Motors under Asymmetrical Power   |
| <b>11.35 – 11.55</b> | <b>Kuznetsov B., Nikitina T., Bovdai I.</b> Active Shielding of Power Frequency Magnetic Fields in Buildings Closed to Overhead Lines   |
| <b>11.55 – 12.15</b> | <b>Boyko A., Besarab A., Sokolov Y., Shapa L.</b> Improvement of energy efficiency of asynchronous motor under the conditions of asymmetric voltage supply  |
| <b>12.15 – 12.35</b> | <b>Busher V. V., Horoshko V. V.</b> Fractional integral-differentiating control in a switched reluctance motor  |
| <b>12.35 – 12.55</b> | <b>Voytenko V. A., Vodichev V. A., Kalinin A. G.</b> Analysis of technical and economic indicators of a multi-motor electric drive for urban public transport   |
| <b>14.00 – 14.20</b> | <b>Busher V. V., Glazeva O. V.</b> The Method of Determining the Internal Complex Power of the Source to Obtain Maximum Power from an Active Multi-pole   |
| <b>14.20 – 14.40</b> | <b>Martynyuk V. V., Fedula M. V., Kosenkov V. D.</b> The Improvement of Converter Source Energy Harvesting Efficiency   |
| <b>14.40 – 15.00</b> | <b>Yehorov A., Duniev O., Masliennikov A., Stamann Mario</b> Ways to Reduce the Electromagnetic Torque During the Disk Rotor Rotation and to Increase the Electromotive Force of a Transverse Magnetic Flux Generator in No-Load Mode |
| <b>15.00 – 15.20</b> | <b>Milykh V. I., Revuzhenko S. A.</b> Principles of Definition of Turbogenerator Characteristics by Automated Numerical Calculations of Magnetic Fields   |
| <b>15.20 – 15.40</b> | <b>Milykh V. I., Shilkova L. V.</b> Numerically-Field Calculation of the Angle Torque Characteristics of the Three-Phase Inductor of the Magnetic Field of the Electromagnetic Stirrer for Dissimilar Mixtures                        |
| <b>15.40 – 16.00</b> | <b>Kvashnin V. V., Babash A. V., Kosenko V. A., Kvashnin V. O., P.</b> Asynchronous vector control electrical drive different regulators impact on transient processes quality indicators   |



**15.40 – 16.00**      **Kondratenko Y. P., Topalov A. M., Kozlov O. V.** Simulation of the Initial Motion of a Floating Dock for the List and Trim Stabilization Tasks

**16.00 – 16.20**      **Kravchenko O., Danchenko E., Bedrii D., Marunych V.** Estimation of influence of Information on Participants of Web- Communities by IT-Tools in condition of a Transition Economy