



MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION
FEDERAL STATE EDUCATIONAL INSTITUTION OF HIGHER EDUCATION

NOVOSIBIRSK STATE TECHNICAL UNIVERSITY
Foreign Languages Department

City Scientific and Practical Conference
for secondary school, undergraduate, graduate
and postgraduate students

ASPIRE TO SCIENCE

April 12, 2017



Novosibirsk

ORGANIZING COMMITTEE

- **Elena Yurievna Kamysheva**
Cand. Sc. (Pedagogics), Associate Professor,
Head of the Foreign Languages Department, NSTU
- **Lola Sharifovna Atabaeva**
Senior Lecturer, Foreign Languages Department, NSTU
- **Viktoriya Lembitovna Karakchieva**
Cand. Sc. (Philology), Associate Professor,
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- **Evgeniya Tarasovna Kitova**
Cand. Sc. (Pedagogy), Associate Professor,
Foreign Languages Department, NSTU
- **Maya Andreevna Morozova**
Senior Lecturer, Foreign Languages Department, NSTU
- **Marina Viktorovna Rozhkova**
Senior Lecturer, Foreign Languages Department, NSTU
- **Lyudmila Innokentievna Tolstobrova**
Senior Lecturer, Foreign Languages Department, NSTU
- **Kseniya Dmitrievna Shabunina**
Lecturer, Foreign Languages Department, NSTU

PROGRAMME OF THE CONFERENCE

9:00 – **Registration of participants**

10:00 a.m. *Building VI, Ground-floor Hall*

10:00 a.m. – **Plenary Session**

12:00 p.m. *Building V, Humanity Faculty Conference Hall*

Opening

Address:

- **Aleksey Gennadievich Vostretsov**
D. Sc. (Engineering), Vice Rector for Research, NSTU
- **Sergey Viktorovich Brovanov**
*D. Sc. (Engineering), Associate Professor,
Head of the Computer Engineering Department,
Vice Rector for Academic Affairs, NSTU*
- **Elena Yurievna Kamysheva**
*Cand. Sc. (Pedagogics), Associate Professor,
Head of the Foreign Languages Department, NSTU*

Plenary

Presentations:

- **Ahmed Zkear Abass**
(postgraduate student, Power Engineering Faculty, NSTU)
Iraqi Power System
- **Dmitry Baluev**
(graduate student, Power Engineering Faculty, NSTU)
Analysis of the efficiency of controller based on neural networks
- **Evelina Langeman**
(assistant lecturer, Mechatronics and Automation Faculty, NSTU)
Revisiting the energy efficiency increasing in Metro system
- **Andrey Petrov**
(postgraduate student, Mechatronics and Automation Faculty, NSTU)
The analysis of reactive power in Metro

PROGRAMME OF THE CONFERENCE

Plenary

Presentations:

- **Alexandra Tokareva**
(graduate student, Business Faculty, NSTU)
Blue Ocean Strategy
- **Alla Izhitskaya**
(member of the German Language Centre – Goethe-Institut partner, Novosibirsk)
Possibilities for the German language learning and certification at the German Language Centre

13:00 –
16:00 p.m.

Sessions

- Technical Sciences
(Mechatronics and Automation; Power Engineering undergraduate students)
University Library, Small Conference Hall
- Technical Sciences (Mechatronics and Automation graduate and postgraduate students)
Building II, room 402
- Technical Sciences (Power Engineering) graduate and postgraduate students
University Library, Large Conference Hall
- Economic Sciences. Legal Sciences
Building V, Humanity Faculty Conference Hall
- Cultural Studies. Social Communication
Building V, room 288
- German Session
Building I, room 425

**TECHNICAL SCIENCES.
MECHATRONICS AND AUTOMATION; POWER ENGINEERING
(undergraduate students)**

University Library, Small Conference Hall

Chairperson: Lola Sharifovna Atabaeva

1. **Darya Dublya** (*Novosibirsk State Technical University*)
Distribution of electric power on the planet Earth
2. **Ilya Kamyshev** (*Novosibirsk State Technical University*)
Possibility of creating superconducting magnetic energy storage
3. **Igor Kopanitskiy** (*Novosibirsk State Technical University*)
Environmental aspects of production equipment and economic indicators of solar power station operation (SPS)
4. **Elizaveta Petrushkina** (*Novosibirsk State Technical University*)
Wind Power
5. **Elizaveta Samtsova** (*Novosibirsk State Technical University*)
Hydropower and Safety Regulations
6. **Andrew Sukhachev** (*Novosibirsk State Technical University*)
Environmental crisis in the Niger River Delta

**TECHNICAL SCIENCES.
MECHATRONICS AND AUTOMATION
(graduate and postgraduate students)**

Building II, room 402

Chairperson: Marina Viktorovna Rozhkova

1. **Roman Derevyanko** (*Novosibirsk State Technical University*)
Algorithm of sensorless PMS motor control
2. **Evgeniy Domakhin** (*Novosibirsk State Technical University*)
Developing of soft switching algorithms for electric driven pumping unit
3. **Ilya Dymov** (*Novosibirsk State Technical University*)
Signal-adaptive controller for eliminating rotor radial displacement
4. **Andrey Morev** (*Novosibirsk State Technical University*)
Energetic and thermal characteristics of induction heating system with permanent magnets
5. **Ilya Zharkov** (*Novosibirsk State Technical University*)
Position control and anti-swing control of overhead crane

**TECHNICAL SCIENCES.
POWER ENGINEERING
(graduate and postgraduate students)**

University Library, Large Conference Hall

Chairperson: Lyudmila Innokentievna Tolstobrova

1. **Dmitry Baluev** (*Novosibirsk State Technical University*)
Analysis of the efficiency of controller based on neural networks
2. **Roman Finashin** (*Novosibirsk State Technical University*)
Review of ways to improve reliability of medium voltage distribution networks
3. **Darya Kisilyova** (*Novosibirsk State Technical University*)
Calculation methods for defining saturated hydrocarbons flash temperature
4. **Vitaliy Kozhemyakin** (*Novosibirsk State Technical University*)
Compensation of jet power
5. **Valentin Loman** (*Novosibirsk State Technical University*)
Protection of equipment of substations
6. **Elena Nesterenko** (*Novosibirsk State Technical University*)
Steady state mode calculation and optimization of the electric network of Altay territory
7. **Gleb Nesterenko** (*Novosibirsk State Technical University*)
Robustness of PID2-control for synchronous generator
8. **Dmitry Orlov** (*Novosibirsk State Technical University*)
Optimization of coefficients of electric power transformation systems by the method of swarm intelligence

9. **Oleg Pisarev** (*Novosibirsk State Technical University*)
Gas turbine plant start-up
10. **Tatyana Ramikh** (*Novosibirsk State Technical University*)
Estimation of quality of surface water sources of Novosibirsk
11. **Roman Ratkov** (*Novosibirsk State Technical University*)
Choosing working bodies for absorption thermo-transformers
12. **Alyona Sidorova** (*Novosibirsk State Technical University*)
The issues of effective use for water resources of HPP
13. **Ekaterina Skryabina** (*Novosibirsk State Technical University*)
Evaluation of lightning-surge proofness in overhead line l-280
14. **Tsyren Tsyrenov** (*Novosibirsk State Technical University*)
Ways to adjust the condensate level in the heater
15. **Ilya Vasilev** (*Novosibirsk State Technical University*)
Fuzzy logic in ACS of thermal processes

ECONOMIC SCIENCES. LEGAL SCIENCES

Building V, Humanity Faculty Conference Hall
Chairperson: *Viktoriya Lembitovna Karakchieva*

1. **Ekaterina Adamovich** (*Siberian Institute of management, Branch of the Russian Presidential Academy of National Economy and Public Administration*)
The development of tourism in Novosibirsk: challenges and opportunity
2. **Anastasiya Adova** (*Siberian Transport University*)
The methods of anti-inflation policy in Germany, the USA and the RF
3. **Anna Asintseva** (*Novosibirsk State Technical University*)
Systematization of indicators for assessing the effectiveness of assortment programs
4. **Bogdan Bannikov** (*Siberian Transport University*)
The most applicable market model for the Russian Federation
5. **Maria Boytsova** (*Siberian Transport University*)
Hand in hand. Russia's participation in humanitarian aid
6. **Daria Gavrilova** (*Novosibirsk State Technical University*)
Anastasia Yakovich (*Novosibirsk State Technical University*)
The titans' war
7. **Artyom Kozlov** (*Siberian Institute of management, Branch of the Russian Presidential Academy of National Economy and Public Administration*)
Aleksandr Shchipanov (*Siberian Institute of management, Branch of the Russian Presidential Academy of National Economy and Public Administration*)
Legal description of the oral contract in English law

8. **Julia Khaibulina** (*Siberian Transport University*)
Excise Taxation Trends in the Russian Federation
9. **Vladislav Ledenev** (*Siberian Transport University*)
The current situation and the prospects of the development of cargo transportation by the West Siberian Railroad
10. **Vyacheslav Lobynya** (*Novosibirsk State Technical University*)
The meaning of the control
11. **Daniil Mokrousov** (*Siberian Transport University*)
Issuing state bonds in the Russian Federation 2017: arguments for and against
12. **Anna Molodtseva** (*Novosibirsk State Technical University*)
Considerations of innovative enterprises affiliated with educational organizations
13. **Tatiana Pushkareva** (*Siberian Transport University*)
Olga Khohlova (*Siberian Transport University*)
An economic impact of unemployment on European countries
14. **Alina Sayranova** (*Siberian Transport University*)
Darya Gorlova (*Siberian Transport University*)
Anti-money laundering: Mexico

CULTURAL STUDIES. SOCIAL COMMUNICATION

Building V, room 288

Chairperson: Kseniya Dmitrievna Shabunina

1. **Darya Chuvardina** (*Siberian Institute of management, Branch of the Russian Presidential Academy of National Economy and Public Administration*)
The unique development of regions (in the case of the Novosibirsk Region)
2. **Sofia Efimenko** (*Novosibirsk State Technical University*)
Language as a reflection of gender differences
3. **Ilya Ermolenko** (*Novosibirsk State Technical University*)
Confidential? Not anymore
4. **Lianna Gevorgyan** (*Technical Lyceum №176, Karasuk*)
My Mother Country, My Armenia!
You Are Dear To Me, Like My Mother.
I Will Never Forget You
Even Though I Live Far From You
5. **Olga Gorte** (*Novosibirsk State Technical University*)
Friction-free communication
6. **Artur Iskhakov** (*Novosibirsk State Technical University*)
The importance of socio-cultural competence as the key factor of engineer's successful professional activity
7. **Veronika Ivanukova** (*Novosibirsk State Technical University*)
Stylistic devices of Rowling's novels to appeal to young readers
8. **Mikhail Koksharov** (*Technical Lyceum №176, Karasuk*)
The Royal Parks of London or escape from the hustle and bustle of the city streets

GERMAN SESSION

Building I, room 425

Chairperson: Maya Andreevna Morozova

1. **Tatyana Bayschuakova** (*Nowosibirsker Staatliche Technische Universität*)
Das Tanklager-Steuersystem der Lagerung von Mineralölprodukten
2. **Konstantin Berjozov** (*Nowosibirsker Staatliche Technische Universität*)
Eigenspeisung vom Eigenbedarfsblock einesWärme kraftwerkes
3. **Anna Palenykh** (*Nowosibirsker Staatliche Technische Universität*)
Anglizismen in der Deutschen Sprache (am Beispiel von Webseiten und Social Media der deutschen Universitäten)
4. **Jana Panova** (*Nowosibirsker Staatliche Technische Universität*)
Die Auswertung des Betriebszustandes der Hydraulikeinheiten auf der Basis von Fuzzy-Logik
5. **Kristina Rovenskaja** (*Sibirische Staatliche Universität für Eisenbahntransport*)
Das Problem der Behinderten in Russland und Deutschland
6. **Ksenia Sakhnova** (*Nowosibirsker Staatliche Technische Universität*)
Vergleichendde Analyse der Corporate Culture von russischen und deutssprachigen Unternehmen
7. **Irina Tereschkina** (*Nowosibirsker Staatliche Technische Universität*)
Effektives Verfahren der Energiekennziffernerhöhung von Drehstrom-Asynchronmotoren
8. **Egor Yantsen** (*Nowosibirsker Staatliche Technische Universität*)
Lineare Vorrichtungen des Bahnnetzes aus Näherungsschalter mit Energiespeicher
9. **Yuliya Zayats** (*Nowosibirsker Staatliche Technische Universität*)
Elektrische Maschinen für Spezialzwecke



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