

Preface

The first International scientific conference of young scientists “Electrical Engineering, Energy and Mechanical Engineering” take place in Novosibirsk, Russian Federation, a Novosibirsk State Technical University from 2 to 6th of December 2014.

Organizers of the conference are State budget educational institution of higher education “Novosibirsk State Technical University”, Autonomous non commercial organization “Interuniversity Center for Promoting Research and Innovative Activities of Students and Young Scientists” and Students’ Scientific Society of NSTU under support of Russian Fund of Fundamental Researches.

The program includes more than 600 participants with more than 300 scientific researches covering three different directions are Electrical Engineering, Energy and Mechanical Engineering. This proceedings gathers of the contributions of the participants from 7 countries. There are 9 subsections for all three main sections.

Languages of communications at the conference are Russian and English.

The site of the conference is www.eem.conf.nstu.ru

On behalf of the committees, we would like to welcome you in Novosibirsk and to wish you an exciting conference!

Programme and Organising Committee

Programme Committee

Chairman of the Programme and Organising Committees

Pustovoy N.V., Dr. Sc. (Engineering) Professor, Rector of Novosibirsk State Technical University (NSTU)

Cochairmen:

Bataev A. A., Dr. Sc.(Engineering), Professor, Vice-Rector for Academic Affairs Department of Material Science in Mechanical Engineering;

Vostretsov A.G., Dr. Sc. (Engineering) Professor, Vice-rector for Research (NSTU);

Gurova E.G., Director of Center for Students' Scientific and Technical Work; Director of Interuniversity Center for Promoting Research and Innovative Activities of Students and Young Scientists.

Members of the Organising Committee

1. Burov V. G., Dr. Sc.(Engineering), Professor, Dean of Faculty of Mechanical Engineering and Technologies;

2. Sidorkin Ju. M., Cand. Sc. (Engineering), Associate Professor, Dean of Faculty of Power Engineering;

3. Shchurov N. I., Dr. Sc.(Engineering), Professor, Dean of Faculty of Mechatronics and Automation.

Organising Committee

1. Aliferov A.I., Dr. Sc.(Engineering), Professor, Department of Automation of Electric Technological Installations;

2. Beloglazov A.V., Cand. Sc. (Engineering), Associate Professor, Department of Power Stations;

3. Gurov M.G., Engineer at JSC «Shvabe-Pribori» (CDB «Tochpribor»);

4. Dymov I.S., Deputy Director at Students' Scientific Society, NSTU;

5. Ivanov V.V., Director at Students' Scientific Society, NSTU;

6. Lenivtseva O.G., Postgraduate Student, Department. of Material Science in Mechanical Engineering;

7. Makarov S.V., Teaching Assistant, Department of Electrotechnological Units;

8. Melnikova L.I., Engineer, Center for Students' Scientific and Technical Work;

9. Spiridonov E.A. Associate professor, Department of Electrotechnological Units;

10. Fedorova N.B., Leading Engineer-programmer, Center for Students' Scientific and Technical Work.