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**Dear Colleagues,**

Greetings from

Many years of positive and successful experience of cooperation between the scientific and educational communities of Russia and China, as well as the -Years of Science, Technology and Innovation Cooperation 2020-2021 have become a significant momentum for expanding the cooperation between Russian and Chinese universities. And we strive to increase our scopes in this direction.

By this letter, I would like to introduce you to a new platform for such cooperation. It is the 'Science and Education Center for Partnership Development in Information and Communication Technology', which was established at NRU MPEI in 2021 with the aim of capacity strengthening and increasing the opportunities for joint activities.

The Center is engaged in research and educational projects in the field of information and communication technologies, focusing on such areas as:

- Intelligent technologies for power engineering sector;
- Mashing Learning;
- Design and analysis methods of computer networks;
- High-precision computation;
- Designing of small-scale UHF devices;
- Digital processing of multidimensional signals.

**We would be delighted to invite the related divisions of your university for cooperation in research and education projects.**

for joint project proposals announced by [The Russian Science Foundation](#) and the National Natural Science Foundation of China ([NSFC](#)), the details of which can be found here: <https://rscf.ru/en/news/en-57/rsf-nsfc-cooperation-2nd-call-for-proposals/>



**国家自然科学基金委员会**  
National Natural Science Foundation of China

### **How to participate**

It is necessary to create two applications to take a participation: one for the RSF and one for the NSFC. Please let us know if you interested in this project. We can formulate several topics to find more appropriate for collaborative study.

### **Scientific fields**

Our research team offers such scientific area as ***Intelligent Technologies for the Electric Power Engineering and Electrical Engineering***

### **Main publications**

1. Vishnyakov, S., Lazarev, V., Vishnyakova, Y., Gevorkyan, V. Intellectual System for Microwave Devices Adjustment // Signal Processing and Machine Learning SPML-2021, ACM International Conference Proceeding Series, pp. 94-99
2. Vishnyakov, S., Kononov, A., Vishnyakova, Y. Irregular Meshes for Color Management // Signal Processing and Machine Learning SPML-2020 ACM International Conference Proceeding Series pp. 79-83
3. Vishnyakov, S. Artificial Neural Networks Implementation in Digital Signal Processing Courses // 2018 4th International Conference on Information Technologies in Engineering Education, Inforino 2018 - Proceedings
4. Vishnyakov, S., Pekhterev, V., Sokolova, E. A novel method of the image processing on irregular triangular meshes // ICGIP 2018 Proceedings of SPIE - The International Society for Optical Engineering 10615,106154F
5. Zein, A. at al Message approach for multiuser mode of a client-server application // Proceedings of the 3rd 2021 International Youth Conference on Radio Electronics, Electrical and Power Engineering, REEPE 2021
6. Zein, A. at al Design of Tree-Like Database Structure for Solving Test Modeling Tasks of Energy Equipment Training//5th International Conference on Information Technologies in Engineering Education, Inforino 2020
7. Zein, A.N, Borisova, S.V The distribution problem of unstructured data when solving data mining tasks on computer clusters// 2020 CEUR Workshop Proceedings, 2570
8. Otsokov, S.A., Magomedov, S.G. Using of redundant signed-digit numeral system for accelerating and improving the accuracy of computer floating-point calculations// International Journal of Advanced Computer Science and Applications 2020, 11(9), pp. 357-363
9. Otsokov, S.A., Magomedov, S.G. On the possibility of implementing high-precision calculations in residue numeral system// International Journal of Advanced Computer Science and Applications 2019, 10(11), pp. 9-13
10. Raskatova M.V. at al On Approach to Training in Methods of Software Working Out // 2020 5th International Conference on Information Technologies in Engineering Education, Inforino 2020  
Establishment and management of internal control information system: Organizational and socio-psychological factors//  
International Journal of Applied Engineering Research 2017, 12(24), pp. 14365-14369

### **Contact person**

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## Reference Information

ABOUT THE UNIVERSITY	
Full name	National Research University "Moscow Power Engineering Institute" (MPEI)
Location	Historic District Lefortovo in the center of Moscow, Russia
Official website	<a href="http://www.mpei.ru">www.mpei.ru</a> or <a href="http://www.mpei.ru/lang/en">www.mpei.ru/lang/en</a>
About the university	<p>Year of foundation: <b>1930</b> Number of students: <b>20,000</b> Number of academic staff: <b>1200</b> Educational programs: <b>&gt; 200</b> Bachelor and Master fields of study: <b>24</b> PhD specialties: <b>47</b> <b>1946</b> – start of teaching foreign students. <b>At present: 2000</b> foreign students from <b>67</b> countries are studying at MPEI. Includes: <b>12 institutes</b> (faculties). Has a modern campus infrastructure and comfortable dormitories.</p> <p>The special status of institution 'National Research University' has been awarded to only <b>29 universities</b> out of total number of approximately <b>900</b> Russian universities.</p> <p>Among the most famous graduates of MPEI there are the ex-Chairman of the State Council of China Li Peng and the ex-President of Romania Ion Iliescu, Ministers of Engineering and heads of the engineering companies of many countries of the world.</p>

ABOUT THE DEPARTMENT OF COMPUTING MACHINES, SYSTEMS AND NETWORKS	
is part of	<b>Institute (Faculty) of Information Technologies and Computer Science</b> Ranks <b>4th</b> among the IT faculties of <b>266</b> Moscow universities
Info links	<a href="#">in English</a> or <a href="#">in Russian</a>
ABOUT THE SCIENCE AND EDUCATION CENTER FOR PARTNERSHIP DEVELOPMENT IN ICT	
Info links	<a href="#">in English</a> or <a href="#">in Russian</a>

We look forward to a further fruitful cooperation.

Please, forward this proposal to the appropriate division of your university.

*Respectfully yours,*

Director of the Science and Education Center  
for Partnership Development in ICT.  
Coordinator ASRTU-MPEI  
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