

# Welcome Message from the Rector of Petrozavodsk State University

It is a great pleasure and honor for me to congratulate you on the establishing the new Journal on Selected Topics in Nano Electronics and Computing. I'd like to take this opportunity to acquaint the readers of the journal with Petrozavodsk State University (PetrSU) and with some university activities in the field of information technology.

PetrSU is one of the acknowledged leaders in the field of information technology among Russian universities. The Regional Center for New Information Technologies of PetrSU, which celebrated its 50th anniversary in 2011, was a cradle of computer facilities in Karelia.

There are several important directions of PetrSU in applied research and development projects such as information systems, decision-making support systems, information and analytical system of university management, automation systems, automated production control systems, geoinformation systems, Web-applications and Internet-portals, distance learning systems, information-measuring systems, research in the field of low-temperature plasma and micro- and nano-electronics, advanced technologies in construction, water treatment, agriculture, timber industry, biology and ecology, medicine, etc.

The university is engaged in developing information and educational environment, material and technical foundation for introducing information and communication technology into education and scientific research, e-learning development and formation of electronic resources both for the university, and for the entire regional education system, public health services and culture in the European North of Russia. PetrSU IT-park is actively developing.

Both IT-park of PetrSU and Institute of ICT and Nano-Technologies of PetrSU (recently established) bring together experts in the fields of computing, nano-electronics and other R&D programs which the university implements in the framework of the Strategic Development Program of PetrSU. Therefore the journal, JSTNEC, is a logical continuation or, mathematically speaking, an analytical extension of the afore-mentioned activities of the University.

Finally, let me express my profound gratitude to the Editorial Board members for their support to make the issue of this journal possible. This international team involves experts in the fields of computing and nano-electronics from the Faculties of Mathematics and Physical Engineering of PetrSU, as well as from different research centers and universities, including Institute of Geology KarSC RAS (Russia), Institute of Chemistry and Technology of Rare Elements and Mineral Raw Materials KRC RAS (Russia), Aalto University (Finland), Royal Institute of Technology KTH (Sweden), FRUCT Oy (Finland), Hofstra University (USA), and Tampere University of Technology (Finland).

On behalf of the editorial board once again I welcome you to JSTNEC. We hope it will be informative and useful for a wide range of researchers and lecturers.

*Anatoly Voronin*

*Rector of PetrSU,*

Professor, Doctor of Technical Sciences

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