

VIII INTERNATIONAL CONFERENCE FOR YOUNG RESEARCHERS

Wave Electronics and Its Applications in the Information and Telecommunication Systems

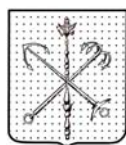
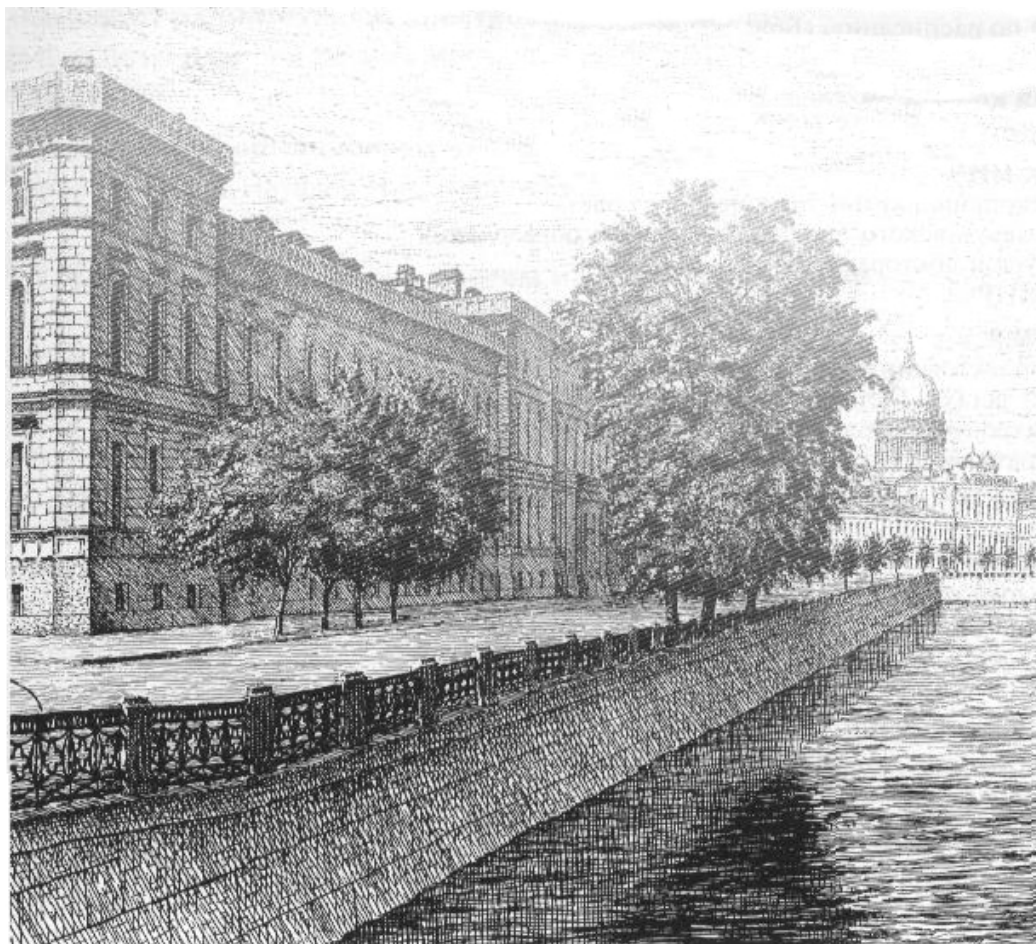
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**St. Petersburg, Russia
2005**

ABOUT THIS CD-ROM

This CD-ROM contains the complete Proceedings of the **VIII International Conference for Young Researchers** mentioned on the cover page and is addressed to the researches and engineers, professors and students. The papers on this CD reflect the author's opinions and are published as presented and without change.

The browsable **Table of Contents** contains links to the full-text papers. Each paper is stored as a separate PDF file in the **../PAPERS** folder. File names for papers correspond to their page numbers.

Example: The file name for the paper

PIEZOELECTRICITY – AN ENABLING TECHNOLOGY FOR OUR WELFARE

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is PS-1.PDF.

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The conference on Wave Electronics and Its Applications in Information and Telecommunication Systems were held every year since 1998. Since that time it has become a pleasant tradition to hold the conference every year. That time the Conference was held on board the ship cruising along the Ladoga Lake and the Neva River.

CONFERENCE ORGANIZERS:

- St. Petersburg State University for Aerospace Instrumentation
- Institute of Radioengineering and Electronics of Russian Academy of Sciences (Moscow)

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CONFERENCE TOPICS

Topics to be considered include but not limited to:

- State-of-the-art information processing methods;
- Resonators and filters for information and telecommunication systems;
- Mathematical simulation of wave electronics devices
- Image processing in the telecommunication systems;
- New technologies based on new phenomena in wave electronics and their perspectives;
- Acoustoelectronic and acousto-optic methods for environmental monitoring and human life protection;
- Acousto-optic methods for information processing;
- Optical fiber technology applications to sensors and communication systems;
- Properties of new acoustic materials;
- Acoustic and acousto-optic methods for the investigation of materials for wave electronics;
- Spin wave theory and applications
- Wave electronic Space Application

These materials could be useful for scientists, engineers, post-graduated students, students.

VIII INTERNATIONAL CONFERENCE for YOUNG RESEARCHERS

Wave Electronics and Its Applications In Information and Telecommunication Systems

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Academician A. S. Bugaev (Russia)**

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