



Alexander Prokhorov

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Fields of research

- 0 Radiophysics,
- 0 the radio-frequency spectroscopy of gases radiospectroscopy,
- 0 quantum electronics,
- 0 microelectronics,
- 0 plasma physics,
- 0 controlled thermonuclear fusion
- 0 laser medicine.



Objects of investigation

- the problems of radiowave propagation;
- carrying out synchrotron study on the coherent radiation of electrons.



Achievements (Discoveries/ Inventions)

- o Contribution to the construction of oscillators and amplifiers;
- o the foundation of modern laser technology;
- o Ph.D. thesis “Coherent Radiation of Electrons in synchrotron Accelerator
- o various types of lasers.



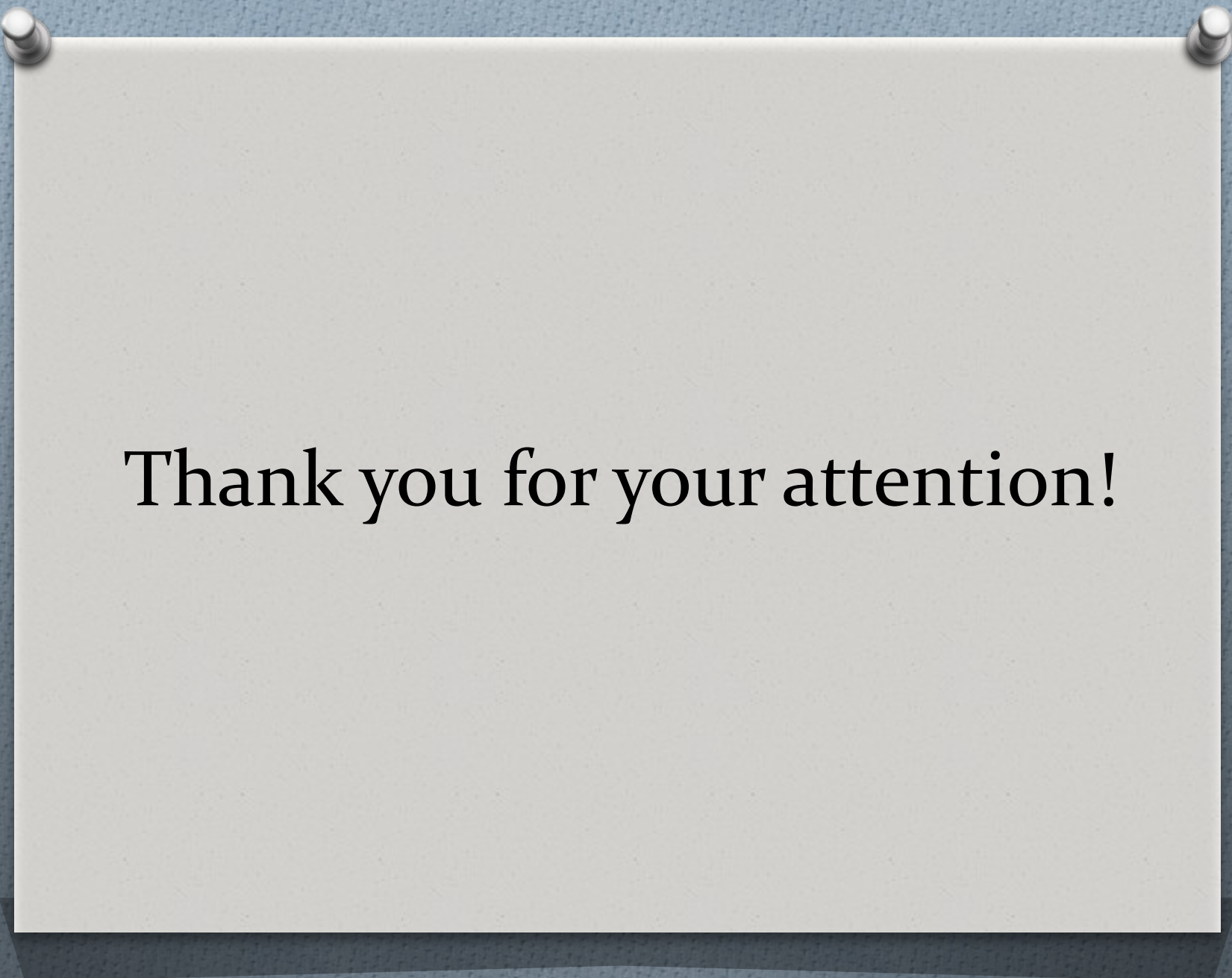


Rewards and honors



- Sharing the 1964 Nobel Prize in physics;
- an honorary member of OSA (Optical Society of America);
- an academician and advisor to the Presidium of the Russian academy of Science;
- the 1959 Lenin Prize;
- a Hero of Socialist labor;
- OSA's 2000 Frederic Ives Medal/Icarus Quinn Endowment;
- an honorary member of the Society.





Thank you for your attention!