

# On 80th Anniversary of the Great Victory: Contribution of Russian Physicists (Scientific Session of the Physical Sciences Division of the Russian Academy of Sciences (PSD RAS) on May 14, 2025)

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On May 14, 2025, a scientific session of the Physical Sciences Division (PSD) of the Russian Academy of Sciences, “On the 80th anniversary of the Great Victory: the contribution of domestic physicists,” was held in the building of the Russian Academy of Sciences (RAS) (Moscow, Leninskii prospekt 14).

The agenda of the ceremonial meeting included the following reports:

1. **Kovalchuk M.V.** (National Research Center Kurchatov Institute) “Science of the Great Victory. Kurchatov Institute: From the Atomic Bomb to Nature-Like-ness”;

2. **Rudenko O.V.** (M.V. Lomonosov Moscow State University) “Acoustics and Defense of the Fatherland”;

3. **Nazarov L.E., Nikitov S.A.** (Institute of Radio Engineering and Electronics, RAS) “Works of Academician V.A. Kotelnikov (1932–1946): The Foundation of the Scientific Areas of Encryption, Cryptography, and Potential Noise Immunity”;

4. **Chernyshev A.K.** (Russian Federal Nuclear Center – All-Russian Research Institute of Experimental Physics) “The Role of the Academy of Sciences in the Atomic Project”;

5. **Ivanov S.V.** (A.F. Ioffe Physical Technical Institute, St. Petersburg) “The Contribution of LPTI Scientists to the Victory in the Great Patriotic War and the Strengthening of the Post-War Peace”.

Papers written on the basis of reports 1–4 are published further in this issue of the journal *Physics–Uspekhi* (see Refs [1–4]). A paper, similar in part to report 5 in content, was previously published in *Physics–Uspekhi* (see Ref. [5]).

1. Kovalchuk M V, Fedoseeva I V, Yatsishina E B “Kurchatov Institute for science of the Great Victory” *Phys. Usp.* **68** 1184 (2025); “Kurchatovskii institut dlya nauki Velikoi Pobedy” *Usp. Fiz. Nauk* **195** 1253 (2025)
2. Rudenko O V “Acoustics and the Defense of the Fatherland” *Phys. Usp.* **68** 1199 (2025); “Akustika i oborona Otechestva” *Usp. Fiz. Nauk* **195** 1268 (2025)
3. Nikitov S A, Nazarov L E “Academician V.A. Kotelnikov’s works (1932–1946) — the basis of research fields in encryption, cryptography, and potential noise immunity” *Phys. Usp.* **68** 1212 (2025); “Trudy akademika V.A. Kotelnikova (period 1932–1946 gg.) — osnova nauchnykh napravlenii shifrovaniya, kriptografii i potentsial’noi pomekhoustoichivosti” *Usp. Fiz. Nauk* **195** 1282 (2025)
4. Chernyshev A K “Role of Academy of Sciences in Atomic Project” *Phys. Usp.* **68** 1219 (2025); “Rol’ Akademii nauk v Atomnom proekte” *Usp. Fiz. Nauk* **195** 1289 (2025)
5. Zabrodskii A G “Scientists’ contribution to the Great Victory in WWII on the example of the Leningrad (now A F Ioffe) Physical Technical Institute” *Phys. Usp.* **56** 493 (2013); “Vklad uchenykh v Velikuyu Pobedu na primere LFTI” *Usp. Fiz. Nauk* **183** 518 (2013)

