

1. Record Nr.	UNINA9910459480603321
Autore	Josephson Paul R
Titolo	Lenin's laureate [[electronic resource]] : Zhores Alferov's life in communist science / / Paul R. Josephson
Pubbl/distr/stampa	Cambridge, Mass., : MIT Press, c2010
ISBN	1-282-89923-6 9786612899232 0-262-28952-0
Descrizione fisica	1 online resource (314 p.)
Collana	Transformations : studies in the history of science and technology
Disciplina	509.47/0904
Soggetti	Physicists - Russia (Federation) Physics - Russia (Federation) - History Science and state - Russia (Federation) - History Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"In 2000, the Russian scientist Zhores Alferov shared the Nobel Prize for Physics for his discovery of the heterojunction, a semiconductor device the practical applications of which include light-emitting diodes, rapid transistors, and the microchip. Alferov's Nobel Prize was the culmination of a career that spanned the eras of Stalin, Khrushchev, and Gorbachev--and continues today in the post-communist Russia of Putin and Medvedev. In Lenin's Laureate, the historian Paul Josephson tells the story of Alferov's life and work and examines the bureaucratic, economic, and ideological obstacles to doing state sponsored scientific research in the Soviet Union." "Lenin and the Bolsheviks built strong institutions for scientific research, rectifying years of neglect under the Tsars. Later generations of scientists, including Alferov and his colleagues, reaped the benefits, achieving important breakthroughs: the first nuclear reactor for civilian energy, an early fusion device, and, of course, Sputnik. Josephson's account of Alferov's career reveals the strengths and weaknesses of Soviet science, a schizophrenic environment of cutting-edge research and political interference.

Alferov, born into a family of Communist loyalists, joined the Party in 1967. He supported Gorbachev's reforms in the 1980's, but later became frustrated by the recession-plagued post-communist state's failure to fund scientific research adequately. An elected member of the Russian parliament since 1995, he uses his prestige as a Nobel laureate to protect Russian science from further cutbacks." "Drawing on extensive archival research and the author's own discussions with Alferov, Lenin's Laureate offers a unique account of Soviet science, presented against the backdrop of the USSR's turbulent history from the revolution through perestroika."--Jacket.
