

RUSSIAN ACADEMY OF SCIENCES  
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# BOOK OF ABSTRACTS

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## XXXVI INTERNATIONAL CONFERENCE ON INTERACTION OF INTENSE ENERGY FLUXES WITH MATTER

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The book consists of abstracts of plenary lectures, oral reports and posters presented at the XXXVI International Conference on Interaction of Intense Energy Fluxes with Matter (1–6 March 2021, Elbrus, Kabardino-Balkaria, Russia). This conference is devoted to the 75th anniversary of birth of Academician Vladimir Evgenyevich Fortov (23 January 1946 – 29 November 2020). The conference topics are as follows: interaction of intense laser, x-ray and microwave radiation, powerful particle beams with matter; experimental techniques of generation and diagnostics of extreme states of matter; shock waves, detonation and combustion physics; equations of state and constitutive equations for matter under extreme conditions at high pressures and temperatures; methods of mathematical modeling in physics of extreme states of matter; high-energy astrophysics; physics of low-temperature and non-ideal plasma; physical issues of power engineering and technology aspects.

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The editorial board with deep regret announces the death of friends and colleagues: Professor Andrey Nikonovich Starostin (25 February 1940 – 16 April 2020); Professor Igor Korneliyevich Krasnyuk (7 March 1942 – 26 May 2020); Professor Boris Alekseyevich Demidov (03 April 1935 – 3 June 2020); Professor Valentina Feognievnа Degtyareva (12 March 1940 – 12 September 2020); Professor Alexander Iosifovich Funtikov (1 December 1932 – 15 September 2020); Corresponding Member of the Russian Academy of Sciences, Professor Nikolay Nikolayevich Kalitkin (16 August 1935 – 7 January 2021); Corresponding Member of the Russian Academy of Sciences, Professor Gennady Isaakovich Kanel (30 June 1944 – 31 January 2021); Professor Andrey Andreyevich Deribas (13 June 1931 – 25 February 2021). All of them were active participants in this series of conferences.

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