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The book includes the abstracts of presentations at the 9th International Symposium on Nonequilibrium Processes, Plasma, Combustion, and Atmospheric Phenomena held in Sochi, Russia, October 5–9, 2020. The Symposium was dedicated to the 90-th anniversary of the Central Institute of Aviation Motors, the head organisation of aerospace science and technology in the Soviet Union and Russian Federation. The contributions are arranged in 6 Chapters: Kinetics; Clusters and Nanostructures; Ignition and Combustion; Engines and Power Plants; Shocks and Detonations; and Technologies.

The book addresses to practicing engineers and researchers and can serve as a reference book for graduate studies in physics of clusters and aerosol particles, laser and low temperature plasma physics, combustion and atmospheric chemistry.

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