

SPACE PROPULSION SYMPOSIUM (C4)
Poster Session (P)

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ENGINES FOR ADVANCED LAUNCH-VEHICLES OF HEAVY AND SUPER-HEAVY CLASSES

Abstract

Family of unified oxygen-kerosene rocket engines with unique power and performance characteristics has created at JSC NPO Energomash. Such family allows to carry out work on its modernization in relation to the use in launch-vehicles of absolutely any class, satisfying the needs of any world's leading designers of launch-vehicles. LPRE of this family with a wide range of throttling (from 10% to 100%) allows to improve the engines in terms of expansion of the family, minimizing the expenses and providing high quality and reliability, that allows in the shortest terms and with high quality to conduct, particularly, the modernization of engines for advanced launch-vehicles. NPO Energomash is working on creation of new powerful reusable LPRE for advanced reusable launch-vehicles.