

SPACE EXPLORATION SYMPOSIUM (A3)
Moon Exploration – Part 3 (2C)

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RUSSIAN PERSPECTIVE SPACE CRAFT FOR FUNDAMENTAL AND APPLIED MOON
RESEARCHES**Abstract**

In Russia, the long-term program for Moon research is based on plans to create Luna-Glob and Luna-Resource moon space crafts and includes the following main stages: • the Luna-Glob project, with a view to investigating mainly the subpolar regions using a landing station; • the Luna-Resource project, with a view to studying the exosphere and Moon surface from AMS orbit and on Moon surface; • the Luna-Glob 2 project, with a view to delivering to samples of Moon substance. Nowadays it is proposed a concept providing step-by-step accumulation of automatic technical vehicles in the near-Moon space and on the Moon surface up to construction of an automatic lunar polygon with the following extension of scope of investigations. The new generation of Moon unmanned space crafts were designed on the concept of building space vehicle based on space modules (platforms).