Automated system for ensuring the reliability and quality of equipment ASONIKA

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An automated system for ensuring the reliability and quality of equipment (ASONIKA) is designed to analyze and ensure the reliability and resistance of electronics to thermal, mechanical, electromagnetic effects, and conduct virtual tests. This is a significant savings in money and a reduction in the time needed to create electronics while improving quality and reliability by reducing the number of field tests.

The author of the ASONIKA system is Professor Alexander Shalumov. The copyright holder of the ASONIKA system is the Scientific-research institute «ASONIKA» (100% owner, Professor Alexander Shalumov).

ASONIKA has been introduced at many enterprises in Russia, and has passed trial operation in the USA and India. ASONIKA has no analogues in the world. ASONIKA incorporates a unique database on the parameters of electronic components, without which the modeling of electronics is impossible. ASONIKA has many achievements and awards. At the 40th year of life, ASONIKA reached its historic maximum - on June 30, 2020, the Analytical Center under the Government of Russia recognized the ASONIKA system as the winner of the competitive selection of competitive domestic solutions, mainly based on «cross-cutting» digital technologies recommended for replication in the constituent entities of the Russian Federation, in the nomination «DIGITAL DESIGN AND MODELING» (https://konkurs.dt.ac.gov.ru/#nominations).

On April 22, 2020, ROSSTANDART Order No. 792 «On the Creation of a Technical Committee for Standardization» Systems for Computer-Aided Design of Electronics» (TK 165) was issued on the basis of the ASONIKA Scientific-Research Institute (https://www.gost.ru/portal/gost/home/activity/documents/orders#/order/148532).

Today for sale are:
- source codes of the ASONIKA system;
- a detailed description of the source codes, all models and algorithms;
- 40 years of unique experience and achievements of the scientific team.