



DEAR COLLEAGUES, FRIENDS

I address myself to all experts in the field of dependability, to all researchers and workers in the field of dependability who are interested in publishing their authentic results or new interpretations of the existing concepts and principles of dependability. The editorial board of the journal are open for a broad dialogue with authors and readers of the journal, we are interested in covering the state of the art of the dependability theory and practice and of course, the aspects of its further development.

Dependability as a science discipline enjoys a new phase of its development. This is to a great extent connected with the automation of production based on advanced information technology and the intensive development of telecommunications technology. A general theory of dependability is currently being developed. Well-known researchers in the field of information systems dependability such as A. Avižienis, J-C. Laprie, B. Randell and others understand dependability as the ability of an information system to deliver service that can be justifiably trusted. It is known that the object of classical (structural) dependability is a product. A product is an item or a set of items manufactured at an enterprise. In turn, the object of functional dependability is service (function) delivered with the help of a technical system (action, operation, process). Services are types of activities, works whose execution does not lead to the creation of a new material

product not existed before but rather it changes the quality of an already existing product developed earlier. Service delivery by itself brings a desired result.

It is the combination of the tasks related to development of a reliable product and delivery of “service that can be justifiably trusted” what in our opinion should be called the tasks of a general (state-of-the-art) dependability theory. This interpretation gives a possibility to concentrate not only on information and telecommunications systems but also to widely apply and develop fundamental results of classical dependability for constructing reliable mechanical objects and systems.

Dependability as a science discipline оказывает greatly influences adjacent disciplines. This applies to functional and information safety as well as cyber security. In turn, these science disciplines also make back impacts on development of dependability. Therefore, results of researches in adjacent fields are discussed in sections Functional reliability and Functional safety of the journal.

The editorial board gives a lot of coverage to the issues of risk assessment as regards objects and processes reliability and safety violations. We welcome works about methods of risk assessment, and papers presenting results of risk assessment, theoretical methods and practical results of risk management.

The journal makes a focus on the problems of dependability standardization and certification. A series of papers has been devoted to this issue over the last few years. Some of them cover the normative framework made in Russian Railways within the URRAN project (Management of Resources, Risks, Reliability and Safety on Railway Transport).

The Dependability journal is included in the list of major journal and editions of the Higher attestation commission (VAK).

Today the journal enjoys the participation of major Russian and international researchers as well as practicing experts and top managers.

The journal is published in Russian and English.

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For more detailed information please visit our website: www.dependability.pro.

*Sincerely yours,
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