

**YURY NIKITIN
TIBOR KRENICKÝ
PAVOL BOŽEK**

**DIAGNOSTICS OF AUTOMATED
TECHNOLOGICAL DRIVES**

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Yury NIKITIN¹ , Tibor KRENICKÝ^{2*} , Pavol BOŽEK³ 

¹ Kalashnikov Izhevsk State Technical University, Department of Mechatronic Systems, Studencheskaya Ulitsa 7, 426069, Izhevsk, Russia

² Technical University of Kosice, Faculty of Manufacturing Technologies with a seat in Presov, Bayerova 1, 080 01, Presov, Slovakia

³ Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Institute of Production Technologies, J. Bottu 25, 917 24, Trnava, Slovakia

* Corresponding author's email: tibor.krenicky@tuke.sk

ABSTRACT

The monograph deals with the topic of the diagnostics of technological drives. It focuses on the dependence of diagnostic parameters on technical state of technological drives, which is of crucial significance for industrial plants. The main aim is to contribute to knowledge within the topic of diagnostics of mechatronic systems by the analysis of the elements reliability characteristics; using methods, models, and algorithms for diagnostics and by studying examples of model diagnostic systems using AI methods based on neural networks and fuzzy inference systems. The diagnostic models of automated technological systems drives have been also developed.

Keywords: technical diagnostics, engine reliability, vibration analysis, diagnostic model, fuzzy inference system.

Authors:

Yury NIKITIN, Assoc. Prof. PhD.
Department of Mechatronic Systems
Kalashnikov Izhevsk State Technical University
Izhevsk, Russia

Tibor KRENICKÝ, Assoc. Prof. PhD.
Department of Design and Monitoring of Technical Systems
Faculty of Manufacturing Technologies with a seat in Prešov
Technical University of Košice
Prešov, Slovakia

Pavol BOŽEK, Dr.h.c. Prof. PhD.
Faculty of Materials Science and Technology
Institute of Production Technologies
Slovak University of Technology
Bratislava, Slovakia

Reviewers:

Witold BIAŁY, Dr. hab. inż. Prof. PS, Politechnika Śląska, Institute of Industrial Engineering, Zabrze, Poland

Aleksandr Ivanovich KORSHUNOV, Prof., Dr, Udmurt State University, Votkinsk branch, Udmurt federal research centre of the Ural Branch of the Russian Academy of Sciences, Udmurt Republic, Izhevsk, Russia

Dagmar JANÁČOVÁ, Prof. Ing. CSc., Tomas Bata University in Zlin, Faculty of Applied Informatics, Department of Process Control, Zlin, Czech Republic

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