

NATIONAL ACADEMY OF SCIENCES OF UKRAINE
EDUCATIONAL-SCIENTIFIC COMPLEX
«INSTITUTE FOR APPLIED SYSTEM ANALYSIS»
AT THE NATIONAL TECHNICAL UNIVERSITY OF UKRAINE «KPI»
OF MES AND NAS OF UKRAINE

SYSTEM RESEARCH AND INFORMATION TECHNOLOGIES

INTERNATIONAL SCIENTIFIC AND TECHNICAL JOURNAL

№ 1

2013

IT IS FOUNDED IN JULY 2001

EDITORIAL BOARD:

The editor – in – chief

M.Z. ZGUROVSKY, Academician of
NASU

Deputy editor – in – chief

N.D. PANKRATOVA, Prof., Ukraine

Associate editors:

F.I. ANDON, Correspondent
member of NASU

A.V. ANISIMOV, Correspondent
member of NASU

V.G. BONDARENKO, Prof., Ukraine

Z. BONNIN, Prof., France

E.A. FEINBERG, Prof., USA

A.D. GVISHIANI, Prof., Russia

V.M. KUNTHEVICH, Academician of NASU

O.S. MAKARENKO, Prof., Ukraine

A.A. PAVLOV, Prof., Ukraine

T.L. SAATY, Prof., USA

L. SAKALAIUSKAS, Prof., Lithuania

I.V. SERGIENKO, Academician of NASU

R. VORONKA, Prof., USA

G.-W. WEBER, Prof., Turkey

Ya.S. YATSKIV, Academician of NASU

THE EDITION ADDRESS:

03056, Kyiv,
av. Peremogy, 37, building 35,
Educational-Scientific Complex
«Institute for Applied System Analysis» at the
National Technical University of Ukraine «KPI»
of MES and NAS of Ukraine
Phone: **406-81-44**; Fax: **406-81-44**
E-mail: journal@mmsa.ntu-kpi.kiev.ua
<http://journal.iasa.kpi.ua>

In the issue:

• **Progressive information technologies, high-efficiency computer systems**

• **Decision making and control in economic, technical, ecological and social systems**

• **Theoretical and applied problems of intellectual systems for decision making support**

• **Methods of optimization, optimum control and theory of games**

• **New methods in system analysis, computer science and theory of decision making**

Dear Readers!

The Educational-scientific complex «Institute for applied system analysis» at the National technical university of Ukraine «KPI» of MES and NAS of Ukraine is published of the international scientific and technical journal

**«SYSTEM RESEARCH AND
INFORMATION TECHNOLOGIES».**

The Journal is printing works of a theoretical and applied character on a wide spectrum of problems, connected with system researches and information technologies.

The main thematic sections of the Journal are the following:

Theoretical and applied problems and methods of system analysis; theoretical and applied problems of computer science; automated control systems; progressive information technologies, high-efficiency computer systems; decision making and control in economic, technical, ecological and social systems; theoretical and applied problems of intellectual systems for decision making support; problem- and function-oriented computer systems and networks; methods of optimization, optimum control and theory of games; mathematical methods, models, problems and technologies for complex systems research; methods of system analysis and control in conditions of risk and uncertainty; heuristic methods and algorithms in system analysis and control; new methods in system analysis, computer science and theory of decision making; scientific and methodical problems in education.

The editor-in-chief of the Journal is Rector of the National Technical University of Ukraine «KPI», Director of the Educational-scientific complex «Institute for applied system analysis» at the National technical university of Ukraine «KPI» of MES and NAS of Ukraine, academician of the NASU Michael Zaharovich Zgurovsky.

The articles to be published in the Journal in Ukrainian, Russian and English languages are accepted. Information printed in the Journal is included in the Catalogue of periodicals of Ukraine.