

NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
«KYIV POLYTECHNIC INSTITUTE»

INSTITUTE OF SPECIAL COMMUNICATION
AND INFORMATION SECURITY

INFORMATION TECHNOLOGY AND SECURITY

Ukrainian research papers collection

Published two times a year

Founded in May 2012

Volume 3, Issue 1 (4)

January – June 2015

Kyiv • 2015

Founder and publisher is Institute of special communication and information security
of National technical university of Ukraine «Kyiv polytechnic institute»

Certificate of registration of print media:
Series KB № 18225-7025P from August 30, 2011

Recommended to publishing and disseminating over the Internet by the Academic Council
of Institute of special communication and information security of National technical university
of Ukraine «Kyiv polytechnic institute» (protocol № 8 from May 28, 2015)

Editor in Chief

Volodymyr Mokhor (Kyiv, Ukraine)

Deputy Editor in Chief

Oleksandr Bohdanov (Kyiv, Ukraine)

Oleksandr Korneiko (Kyiv, Ukraine)

Executive Secretary

Vasyl Tsurkan (Kyiv, Ukraine)

Editorial Board

Anatolii Serhiienko (Kyiv, Ukraine), Atanas Nachev (Sofia, Bulgaria),
Stoyan Denchev (Sofia, Bulgaria), Dmytro Lande (Kyiv, Ukraine),
Dragomir Pargov (Sofia, Bulgaria), Ihor Yakoviv (Kyiv, Ukraine),
Leonid Skrypnyk (Kyiv, Ukraine), Oleksandr Dodonov (Kyiv, Ukraine),
Stepan Vynnychuk (Kyiv, Ukraine), Valeryi Kozlovskiy (Kyiv, Ukraine),
Vasyl Kulykov (Kyiv, Ukraine), Viktor Yerokhin (Kyiv, Ukraine),
Vladimir Jotsov (Sofia, Bulgaria), Yurii Kulakov (Kyiv, Ukraine),
Yurii Serhiienko (Kyiv, Ukraine)

Technical Secretary

Alex Kilevoy, (Kyiv, Ukraine)

An original and review papers in technical sciences on the major problems of modern information technology, information security, information warfare, countering the use of social engineering, cyber security and critical infrastructure protection, mathematical and computer modeling, the protection of information in telecommunication systems and networks (including on the protection of personal data), information security management and security risk information is published. Focused on scientific, pedagogical and engineering and technical staff, graduate students, doctoral students, students and kadets.

Scientific papers published in Ukrainian, Russian, English languages.

Editorial board may not share opinions of the authors.
Responsibility for the content of material lies on authors.

Editorial address

Verkhnyoklyuchova Str., 4, Kyiv, 03056, Ukraine
tel. / fax: +38 044 454 91 51,
Website: <http://its.iszzi.kpi.ua/>, E-mail: its@isszi.kpi.ua