



ISSN 2522-9842 (Online)



Social Development & Security

Journal of Scientific Papers

Vol. 9, Issue 1, February, 2019



OPEN  ACCESS



Electronic scientific edition

Journal of Scientific Papers "Social development & Security"

Vol. 9, №1
February, 2019Founded in 2017 by the Public Organization "Ukrainian Scientific Community"
It comes out bimonthly**The editorial board***Editor of the publication*

LYASHENKO Boris	Prof, Dr of Technical Sciences , Laureate of the State Prize of Ukraine in the field of science and technology, Head of the laboratory for strengthening the surface of structural elements, Institute for Problems of Strength National Academy of Sciences of Ukraine, Kyiv, Ukraine;
------------------------	---

Honorable Editor

TKACH Ivan	Assoc. Prof, Dr of Economics Sciences , National University Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine.
-------------------	--

Technical sciences

ANTONYUK Victor	Prof, Dr of Technical Sciences , National Technical University "Igor Sikorsky Kiev Polytechnic Institute", Ukraine;
BARABASH Oleg	Prof, Dr of Technical Sciences , Head of the Department of Higher Mathematics, State University of Telecommunications, Ukraine;
BICHENKOV Vasyl	Senior Researcher, Dr of Technical Sciences , National University Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine;
VOROBIOV Oleg	Prof, Doctor of Technical Sciences , National University Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine;
GAWLICZEK Piotr	Associate Professor, PhD , University of Warmia in Mazury in Olsztyn, Poland;
GUZEWICZ Wojciech	Rev. Prof. PhD , dean of the Faculty of Technical and Social Studies at the University of Warmia and Mazury in Olsztyn, Poland;
GRUBICKA Joanna	Ph.D , Pomeranian University in Slupsk, Poland;
KURSEITOV Timur	Assoc. Prof, Dr of Technical Sciences , National University Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine;
MIRNENKO Volodymyr	Prof, Dr of Technical Sciences , National University Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine;
SAGRADIAN Artak	Prof, Dr of Technical Sciences , Armenian State Pedagogical University named after. Kh. Abovyan, Armenia;
SEMON Bogdan	Prof, Dr of Technical Sciences , National University Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine;
Luis Frólén Ribeiro	Doctor in Mechanical Engineering , Professor of the Mechanical Technology Department at the Polytechnic Institute of Bragança, Portugal;
ZhIZHKA Jan	Prof, Dr of Technical Sciences , Technical University in Liberec, Czech Republic;

Economic sciences

BALLANDA Anatoly	Prof, Doctor of Economics Sciences , Military-Diplomatic Academy named after Eugene Bereznyak, Ukraine;
BASHYNSKA Iryna	Assoc. Prof, Candidate of Economic Sciences (Ph.D.) , Odessa National Polytechnic University, Odessa, Ukraine;
BEGMA Vitaliy	Assoc. Prof, Doctor of Economics , National Institute for Strategic Studies, Ukraine;
BONDARENKO Svitlana	Dr of Economics Sciences , Institute of Market Problems and Economic and Environmental Studies of the National Academy of Sciences of Ukraine, Odessa, Ukraine
SHEMAYEVA Lyudmila	Prof, Doctor of Economics Sciences , National Institute for Strategic Studies, Ukraine;
YURKIV Nadia	Prof, Doctor of Economics Sciences , National Institute for Strategic Studies, Ukraine;
MARCO Ivan	Prof, Doctor of Economics Sciences , Central Research Institute of the Armed Forces of Ukraine, Ukraine;
KIRYLENKO Volodymyr	Prof, Doctor of Economics Sciences , Kyiv National Economic University named after Vadym Hetman, Ukraine;

Military science

LOBANOV Anatoly	Prof, Doctor of Military Sciences , National University Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine;
MATSKO Oleksander	Prof., Candidate of Military Sciences , The National University Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine;
SHEMAYEV Volodymyr	Prof, Doctor of Military Sciences , National Institute for Strategic Studies, Ukraine;
FETTERLY Ross	Dr of Military Sciences , Royal Military College of Canada, Canada;
GRABOWSKI Krzysztof	PhD in National Security , Cuiavian University y Wloclawek, Poland.

Law

DIKHTEVSKY Petr	Prof, Doctor of Law , National University of Kyiv named after Taras Shevchenko, Ukraine;
DOLNYTSKY Bogdan	Prof, Doctor of Law , Department of Administrative Law of Wroclaw University, Poland;
PACEK Boguslaw	Prof, Doctor of Law , Yana Kokhanovsky University, Poland;
PASHYNSKY Volodymyr	Assoc. Prof, Candidate of Legal Sciences , Department of Legal Support of the National University of Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine;
KOLODIY Anatoly	Prof, Doctor of Law , Corresponding Member of the National Academy of Sciences of Ukraine, Academician of the Academy of Sciences of the Higher School of Ukraine, Honored Lawyer of Ukraine, Director of the Legal Institute of the Kyiv National Economic University named after Vadym Hetman, Ukraine;
KOROPATNIK Igor	Assoc. Prof, Doctor of Law , Department of Legal Support of the Military Institute of the National University of Kyiv named after Taras Shevchenko, Ukraine;
CUBICHEK Pavel	Prof, Doctor of Law, Candidate of Law , Faculty of Law of the University of Comenius in Bratislava, Slovak Republic.
CHORNY Vitaliy	Prof, Doctor of Philosophy , National University Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine;

Technical Secretary of the publication

TKACH Mykola	Candidate of Technical Sciences (Ph.D) , National University Defense of Ukraine named after Ivan Chernyakhovsky, Ukraine.
LOISHYN Anatoly	Post-graduate student, Ukraine.

FOUNDERS and PUBLISHER: Public Organization "Ukrainian Scientific Community" (Ukraine)

Executive secretary of the editorial board of the magazine "Social Development and Security" Mykola Tkach,
e-mail: sjdsusc@gmail.com; tkachivan9@gmail.com <https://paperssds.eu/index.php/JSPSDS/>, тел. +38(093) 752-81-56

The authors of articles are responsible for the authenticity of facts, quotes, their own names, geographical names, names of enterprises, organizations, institutions and other information. Opinions expressed in these articles may not coincide with the point of view of the editorial board and do not impose any obligations on it.