



ISSN 2522-9842 (Online)



# Social Development & Security

## Journal of Scientific Papers

**Vol. 2, Issue 2, December, 2017**



## Electronic scientific edition

Journal of Scientific Papers "Social development & Security"

**Volume 2 (2)**

December, 2017

Founded in 2017 by the Public Organization "Ukrainian Scientific Community"

It comes out bimonthly

### The editorial board

**Editor of the publication:**

**Ivan TKACH**, PhD of Economics Sciences, Associate Professor, **Ukraine**.

**Boris LYASHENKO**, Doctor of Technical Sciences, Professor, **Ukraine, Ukraine;**

**Bogdan SEMON**, Doctor of Technical Sciences, Professor, National University Defense of Ukraine named after Ivan Chernyakhovsky, **Ukraine;**

**Jan ZhIZHKA**, Doctor, Professor, Technical University in Liberec, **Czech Republic;**

**Volodymyr MIRNENKO**, Doctor of Technical Sciences, Professor, National University Defense of Ukraine named after Ivan Chernyakhovsky, **Ukraine;**

**Victor ANTONYUK**, Doctor of Technical Sciences, Professor, National Technical University "Igor Sikorsky Kiev Polytechnic Institute", **Ukraine;**

**Artak SAGRADIAN**, Doctor of Technical Sciences, Professor, Armenian State Pedagogical University named after. Kh. Abovyan, **Armenia;**

**Vasyl BICHENKOV**, Doctor of Technical Sciences, Senior Researcher, National University Defense of Ukraine named after Ivan Chernyakhovsky, **Ukraine;**

**Timur KURSEITOV**, Doctor of Technical Sciences, National University Defense of Ukraine named after Ivan Chernyakhovsky, **Ukraine;**

**Piotr GAWLICZEK**, PhD, Associate Professor, E-Learning Center of Cuiavian University in Wloclawek, **Poland;**

**Nadia YURKIV**, Doctor of Economics, Professor, **Ukraine;**

**Lyudmila SHEMAYEVA**, Doctor of Economics, Professor, **Ukraine;**

**Vitaliy BEGMA**, Doctor of Economics, Associate Professor, **Ukraine;**

**Volodymyr SHEMAYEV**, Doctor of Military Sciences, Professor, **Ukraine;**

**Anatoly LOBANOV**, Doctor of Military Sciences, Professor, National University Defense of Ukraine named after Ivan Chernyakhovsky, **Ukraine;**

**Vitaliy CHORNY**, Doctor of Philosophy, Professor, National University Defense of Ukraine named after Ivan Chernyakhovsky, **Ukraine;**

**Boguslaw PACEK**, Doctor of Law, Professor, Yana Kokhanovsky University, **Poland.**

**Technical Secretary of the publication**

**Mykola Tkach**, Ph.D of Technical Sciences, **Ukraine.**

**Founders: Public Organization "Ukrainian Scientific Community" (Ukraine)**

**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](mailto:sjdsusc@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.