



# Electronic Scientific Specialized Journal Socio-Economic Problems and the State

The journal is included to the list of scientific specialized editions by Decree № 2-05/1 of HCC presidium of Ukraine from 26 January 2011

**Vol.14, No.1**

May, 2016

**ISSN 2223-3822**

The edition was founded in 2008 by Ternopil Ivan Pul'uj National Technical University and Academy of Social Management  
**2 issues annually**

Journal ISSN in 2011 (ISSN International Centre, Paris, France)

### Editorial board

Petro Yasnyj, **President of the Journal**, Dr., Prof., Rector of Ternopil Ivan Pul'uj National Technical University (Ukraine);  
 Bohdan Andrushkiv, **Editor-in-chief**, Dr., Prof., Ternopil Ivan Pul'uj National Technical University, Honored worker of science and technique of Ukraine (Ukraine);  
 Abdul Hadi Zulkafli, Dr., School of Management, Universiti Sains Malaysia (Malaysia);  
 Aleksandra Gąsior, Dr., University of Szczecin (Poland);  
 Alla Levitskaia, Ph.D., Assoc. Prof., Department of Economy, Faculty of Economics, Comrat State University (Republic of Moldova);  
 Anatolij Peshko, Dr., Prof., Academy of Economic Sciences of Ukraine (Ukraine);  
 Anna Brzozowska, Dr., Prof., Faculty of Management, Czestochowa University of Technology (Poland);  
 Boris Panshyn, Dr., Prof., Belarusian State University (Republic of Belarus);  
 Dorin Festeu, Dr., Senior Lecturer, Buckinghamshire New University (United Kingdom);  
 Fedir Bortnyak, Ph.D., Assoc. Prof., National Academy of Internal Affairs (Kyiv, Ukraine);  
 Grzegorz Mentel, Dr., Prof., Rzeszow University of Technology (Poland);  
 Ihor Gutsal, Dr., Prof., Ternopil National Economic University (Ukraine);  
 Ihor Stoyko, Ph.D., Assoc. Prof., Ternopil Ivan Pul'uj National Technical University (Ukraine);  
 Iryna Vovk, Ph.D., Assist. Prof., Ternopil Ivan Pul'uj National Technical University (Ukraine);  
 Jakub Gazda, Dr., Poznan University of Economics (Poland);  
 Jaroslav Belás, Dr., Prof., Tomas Bata University in Zlin (Czech Republic);  
 José Vargas-Hernández, Dr., Prof., University Center for Economic and Managerial Sciences, University of Guadalajara (Mexico);  
 Juraj Sipko, Dr., Assoc. Prof., Institute of Economic Research (Slovak Republic);  
 Krzysztof Celuch, Ph.D., Assoc. Prof., Pro-rector, Warsaw School of Tourism and Hospitality Management (Poland);  
 Manuela Tvaronavičienė, Dr., Prof., Vilnius Gediminas Technical University (Lithuania);  
 Maria Rudakevych, Dr., Prof., Ternopil Ivan Pul'uj National Technical University (Ukraine);  
 Markiy Malskiy, Dr., Prof., Ivan Franko National University of Lviv (Ukraine);  
 Mihaela Simionescu, Ph.D., Senior Researcher, Institute for Economic Forecasting, Romanian Academy (Romania);  
 Mykhaylo Luchko, Dr., Prof., Ternopil National Economic University (Ukraine);  
 Mykhaylo Shkilynyak, Dr., Prof., Ternopil National Economic University (Ukraine);  
 Natalya Kyrych, Dr., Prof., Ternopil Ivan Pul'uj National Technical University (Ukraine);  
 Noralv Veggeland, Dr., Prof., Lillehammer University College (Norway);  
 Olena Panukhnyk, Dr., Prof., Ternopil Ivan Pul'uj National Technical University (Ukraine);  
 Pavlo Dudkin, Ph.D., Assoc. Prof., Ternopil Ivan Pul'uj National Technical University (Ukraine);  
 Roman Rohatynskiy, Dr., Prof., Ternopil Ivan Pul'uj National Technical University (Ukraine);  
 Valeriy Fedoreyko, Dr., Prof., Kyiv National University of Life and Environmental Sciences of Ukraine (Ukraine);  
 Volodymyr Zheleznyak, Dr., Prof., Polotsk State University (Republic of Belarus);  
 Yuriy Bilan, Ph.D., Assoc. Prof., University of Szczecin (Poland);  
 Žiga Čepar, Dr., Assoc. Prof., University of Primorska (Republic of Slovenia);  
 Yu Hsing, Dr., Prof., Management and Business Administration Faculty, Southeastern Louisiana University (USA);  
 Yuriy Vovk, **Executive Secretary of the Journal**, Ph.D., Assoc. Prof., Ternopil Ivan Pul'uj National Technical University (Ukraine);  
 Roman Oksentyuk, **Technical Secretary of the Journal**, Ph.D., Assist. Prof., Ternopil Ivan Pul'uj National Technical University (Ukraine).

**Indexing:** The journal was included in:

ProQuest LLC (ULRICHSWEB Global Serials Directory) (USA)	
Index Copernicus International SA (Poland)	<b>ICV 2014: 50.96</b> INDEX COPERNICUS
DOAJ - Directory of Open Access Journals (Sweden)	
Google Scholar (USA)	
BASE - Bielefeld Academic Search Machine (Germany)	
EBSCO (USA)	
Ministry of Science and Higher Education of Poland (Poland)	 Ministerstwo Nauki i Szkolnictwa Wyższego
Global Impact Factor (GIF) – (Australia)	 GLOBAL IMPACT FACTOR 2015 - 0.555
Science Index – (Russia)	 РОССИЙСКИЙ ИНДЕКС НАУЧНОГО ЦИТИРОВАНИЯ

\* All logos are property of their owners

**Founders:** Ternopil Ivan Pul'uj National Technical University and Academy of Social Management (Ukraine)

**Publisher:** Scientific Publishing House (CSR) (Poland)

### Editorial address:

Executive secretary of the editorial board Journal "Socio-Economic Problems and the State", Ph.D., Assoc. Prof., **Yuriy Y. Vovk**

Ternopil Ivan Pul'uj National Technical University, 56, Ruska str., 46001 Ternopil, Ukraine

E-mail: [sepd.tntu@gmail.com](mailto:sepd.tntu@gmail.com), [kaf.mp.tdtu@gmail.com](mailto:kaf.mp.tdtu@gmail.com); Internet: <http://sepd.tntu.edu.ua>; Phone: +38 (0352) 23 51 14

Recommended for publication Scientific Council of the Ternopil Ivan Pul'uj National Technical University (Protocol No.8, May 17, 2016) and the meeting of the Presidium of the Academy of Social Management (Protocol No.7, May 16, 2016)

The responsibility for the accuracy of facts, quotations, proper names, place names, names of companies, organizations, institutions and other information are authors of articles. The views expressed in these articles opinions may not necessarily reflect the views of the editorial board and not impose any obligation on it.

The responsibility for the content of advertisements is an advertiser.

Articles cover licensed under the Creative Commons Attribution – (CC-BY) 4.0 <http://creativecommons.org/licenses/by/4.0/>

