

CONTENT

PREFACE	1
CHAPTER 1.	
ARTIFICIAL INTELLIGENCE: DEFINITION, HISTORY OF DEVELOPMENT, USING	3
<i>MOSTENSKA Tatyana Genadiivna, CHEREP Oleksandr Grigorovich, LESCHCHENKO Anatoly Anatoliyovych</i>	
1.1. Artificial Intelligence: Definition, History, Uses	3
<i>CHERP Oleksandr Grigorovich, LESCHCHENKO Anatoly Anatoliyovych</i>	
1.2. Use of AI in Managing Innovative Economic Development: World Experience	28
<i>CHERP Oleksandr Grigorovich, NAUMENKO Yevhen Valentynovich</i>	
1.3. Artificial Intelligence as a Practical Tool for Human Development	38
CHAPTER 2.	
THE IMPACT OF DIGITALIZATION ON THE SOCIO-ECONOMIC SECURITY OF EUROPEAN COUNTRIES AND UKRAINE	51
<i>KALIUZHNA Yuliia Viktorivna, CHEREP Oleksandr Grigorovich</i>	
2.1. The impact of digitalization on the socio-economic security of European countries and Ukraine	51
<i>MARKOVA Svitlana Viktorivna, CHEREP Oleksandr Grigorovich, MASLAK Maria Volodymyrivna</i>	
2.2. Adapting business under martial law with the use of artificial intelligence technologies	72
<i>CHERP Oleksandr Grigorovich</i>	
2.3. Digitalization as a necessary condition for business development in Ukraine	101
<i>CHERP Oleksandr Grigorovich, MOSTENSKA Tatyana Genadiivna</i>	
2.4. Trends and prospects of digitalization in the world and Ukraine as a tool for rebuilding the Ukrainian economy in the post-war period	114
<i>CHERP Oleksandr Grigorovich, MOSTENSKA Tatyana Genadiivna</i>	
2.5. Artificial Intelligence in the fight against propaganda and fake news. Prospects for development	124

CHERP Oleksandr Grigorovich, KALIUSHNA Yuliia Viktorivna

2.6. Mechanisms of Artificial Intelligence for Detecting Coordinated Information Attacks	134
---	------------

CHAPTER 3.

THE ROLE OF ARTIFICIAL INTELLIGENCE IN THE TRANSFORMATION OF THE DIGITAL ENVIRONMENT: PRODUCTIVITY, LABOR MARKET, SECURITY AND INFORMATION RESILIENCE UNDER MARTIAL LAW	151
--	------------

*CHERP Oleksandr Grigorovich, KALIUSHNA Yulia Viktorivna,
NAUMENKO Yevhen Valentynovich*

3.1. Evaluating the impact of artificial intelligence on increasing the productivity of processing large data sets	151
---	------------

CHERP Oleksandr Grigorovich

3.2. The impact of AI on the labor market and employee performance	172
---	------------

*CHERP Oleksandr Grigorovich,
LESCHCHENKO Anatoly Anatoliyovych*

3.3. What areas will artificial intelligence change during martial law in Ukraine?	186
---	------------

CHERP Oleksandr Grigorovich, NAUMENKO Yevhen Valentynovich

3.4. Challenges and promising directions for using artificial intelligence in countering disinformation	199
--	------------