

**DEVELOPMENT AND IMPLEMENTATION OF CONVERGING
TECHNOLOGIES IN UKRAINE UNDER CONDITIONS OF A NEW
INDUSTRIAL REVOLUTION: ORGANIZATION OF STATE SUPPORT:
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ABSTRACT

In the monograph from the position of synergetic paradigm substantiates the concept of development of convergent technologies as a key factor in solving global problems in the new industrial revolution. The main trends in the development of convergent technologies and identifies advanced manufacturing technologies, the most promising for the consumer in developed countries. The evaluation conditions for the establishment, status and innovation potential, based on simulation model and scenarios of scientific and innovative development of Ukraine. Methodical approach to foresight-prediction of the priority directions of development of convergent technologies and identified priority areas for development and their introduction into the economy of Ukraine on the example of nanotechnology. The analysis of prospects of the use of convergent technologies in the sectors of Ukraine's economy. Introduced a scientific and methodical approach to the creation of institutional support mechanism for the development and implementation of convergent technologies in Ukraine in conditions of formation of a common research area with the EU. The monograph is intended for a wide circle of readers interested in the characteristics of the development of convergent technologies and new industrial revolution in the Ukraine in terms of its integration into the world economic system.

Keywords: convergent technologies, new industrial revolution, model and scenarios of scientific and innovative development, foresighting priority directions, institutional support mechanism, solving global problems.