

#### SUMMARY

**Kalayanova O. D. Information communication system between subjects and objects of expert research.** The modern naturally-scientific achievements in the sphere of information technologies of energy processes, occurrences, phenomena in descriptive and conceptual systems were introduced by terms and definitions which correctly laid down in the basic provisions of a subject of criminalistics, its traditional institutes, in particular, in an investigator part, the objects of which make the main material of a research work of experts. In the definition of traces there are terms characterizing their energy and information nature, that facilitates the perception and understanding of cause-effect links initiating formation in the mechanism of realization of criminal intentions. The disclosure of mechanisms of interaction of objects at the energy level allows to consciously, with understanding, solve research problems by the instrumental methods with the objects of atomic and energy nature.

The material of this article focuses on the questions of the optimization of a research work, the expert functions with evidentiary material of different nature and levels. The fundamental question connected with the essence of human activity in its aspect realization of professional knowledge within the framework of legal production of a scientifically organized methodical form, this is the definition, the development and the verification in practice of the teaching on methods of general theory of forensic expertise and expert activity from the perspective of modern provisions and concepts, complementing and revealing the essential energy and information nature of subjects and objects of a research in expert work.

Taking into account the situation in which there are no methodological and practical aspects for the use of tools for research of objects of information and energy nature, instructions and manuals in terms of research and handling of traces of interaction of such objects (in particular, it is traces of memory, electronic information, information picture of an event of a last crime, characteristic data of a person of a criminal, etc.), there was an urgent need to investigate the stated phenomena, having formulated the corresponding problems.

**Keywords:** *an expert research, information, an energy system of a subject and an object of a research, logical series in a research work, a synthesizing aspect of findings on a research.*