Acta Scientific COMPUTER SCIENCES

Volume 4 Issue 9 September 2022

Mini Review

Formation of Thinking and Inspiration as the Source of His Development

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Received: July 04, 2022

Published: August 21, 2022

Abstract

There are many approaches to multi-disciplinary approaches to the formation and development of thinking. The author briefly considers the interdisciplinary approach to the formation of thinking based on the triad - mind, living language, spirit. This approach takes into account inspiration as a source of the development of thinking. The article concludes with a hierarchical approach to the formation of virtual technological thinking based on categorical criteria and knowledge and skills of mankind. A hierarchical categorical approach to the formation of virtual thinking develops the creativity of the technological mind based on artificial intelligence. The technological mind is more efficient than the human in terms of the speed of information processing and learning, as well as in terms of the volume of rapid memory and information sampling.

Keywords: Mind; Living Language; Spirit; Communicative Associative Neural Network; Creative Thinking; Nature

Shaping creative thinking

Unlike many multi-disciplinary approaches to the formation and development of thinking [1-4], the author proposed the following interdisciplinary approach. Mind, living language, spirit is a triad of creative thinking. The mind has the property of generating thoughts through living language and spirit. The spirit has the property to understand new concepts and permeate the nature of the external environment into living information [5]. The mind uses the communicative associative neural network information system of the brain and knowledge memory to generate thoughts [6]. Spirit helps the mind to develop new concepts.

A living language has been formed since childhood in dialogue. The lack of dialogue up to five years does not give rise to thinking in a child, because a living language and a communicative associative information neural network of the brain are not formed. The mind does not acquire the property of giving birth to thoughts.

When the child has formed thinking, the spirit learns to perceive new concepts and penetrate the updated external environment into live information. The ability of the spirit to perceive new concepts and living information helps to develop new concepts and shape creative thinking.

Creative thinking relies on the concepts and images of the formed living language, living information of the environment, on moral criteria and principles approved by the spirit, and on the source of inspiration. Spirit permeates into an inspiration and initiates creative thinking.

Nature as a source of inspiration for creativity

Nature is a source of inspiration for man, a creative interlocutor for the mind and heart. Creative people get inspiration from a variety of sources. The influence of external forces on creative thinking is carried out through live information. The living information of the universe has an impact on human creativity. It has not yet been possible to describe the patterns of the qualitative and quantitative impact of external forces on creative thinking. The spirit of mind carries out the communicative associative birth of new thoughts on the living information of the source of inspiration

and human knowledge. The impetus for the birth of new thoughts is the interaction of man with the source of inspiration.

Nature is filled with living information of objects, processes, phenomena, connections and laws. The spirit of mind, penetrating the living information of nature, begins to create new knowledge and new practice [7].

The communication vibrations of nature's entities are the living information of the universe. The spirit of the creative mind is a mechanism of activity with living information through the mental bio field. A figurative or linguistic similarity arises through resonance with the vibrations of the mental energy of the communicative associative neural network systems of the brain from the concentration of attention on the problem [8].

Conclusion

The proposed approach to the formation of creative thinking based on the cognitive triad - mind, living language, spirit - allowed modeling creative and professional activities by ensembles of intellectual agents based on living information of the updated environment. With live information of the updated environment, identified by specialists with creative thinking and recorded in a living language, the communicative associative logic of technological thinking with artificial intelligence can operate. Novelty is revealed by application of qualitative and quantitative regularities to living information by functional harmonious self-organizing ensembles of intellectual agents [9-26].

Human thinking is accompanied by internal speech at the level of a living language. Internal speech can be captured by neurointerfaces. This allows specialists to communicate with each other and even with robots through neurointerfaces and means of communication over internal speech in the process of thinking [27-30].

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