

# **Cognitive and creative activity – groundwork for advanced education**

Russia: Marat © Gafitulin, 2013

mgafitulin@gmail.com

## **Abstract**

Research and inventive abilities of human beings represent a means for innovations. The process of inventive activity is closely connected with the research process. Cognitive and creative activity forms the basis for both processes. The present paper deals with substantiation of the necessity for purposeful development of cognitive and creative abilities and development of appropriate methodological tools.

A reason for the conflict between dynamically developing society and standard system of education is described in the paper. The application of educational model "KAS" (Knowledge-Abilities-Skills) built on the reproductive activity of students is the basis for this conflict. The author proposes a new educational model for the advanced education "KAS + CCA = nKAS" (where CCA - Cognitive and Creative Activity). This proposed model is oriented on productive cognitive and creative activity of all participants of the educational process, who are creating new knowledge, abilities and skills. Special methodological tools developed on the basis of systemized paired notions are used for the organization of cognitive and creative activity.

Formation and development of research and inventive abilities of students takes place in the course of practical implementation of new model, and all this leads to successful results of current and subsequent activity of students. Realization of actual value of obtained advanced education by individuals indicates that they are using acquired innovative capabilities in their life.