

## ABSTRACTS

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### **THE FORMATION OF DESIGN COMPETENCE OF FUTURE ENGINEERS BY MEANS OF ICT**

The article shows that the modern level of development of information and communication technologies allows a new approach to the organization of educational activities in the university training of future engineers, the dissemination of scientific information and research results.

It has been demonstrated that comprehensive combination of traditional and innovative technologies facilitates the development of project vision and design abilities in the process of graphical training. The graphics programs that are used for the formation of design competence of future engineers have been considered: «Compass-schedule», «Auto CAD», «Arclii CAD», «Corel DRAW».

It has been found that the latest technologies have several advantages compared to traditional methods of graphical preparation: various computer graphics program application; combination of academic and self-design activities; the ability to perform tasks in the electronic format; the individualization of instruction and control of the knowledge acquisition level of each of the students. The stages of information use and communication technologies in the process of graphical preparation of engineers have been defined: drawing in combination with design; drawing in combination with computer graphics; interactive education on the Internet.

*Key words: design expertise, future engineers, information and communications technologies, tools, training.*