
Outlook for implementation of public-private partnership in the system of scientific and technical creativity of youth

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Solving of human resources problems is becoming a live issue of the modern science-based industry. For technological modernization of the domestic industry and the transition to innovative development it is necessary to solve the most important issue – to prepare a new generation of scientists, engineers and technicians capable of making non-standard solutions in their professional activities, designing new machines, developing advanced technological processes and managing complex production.

This paper presents a review of best foreign and domestic practices used to develop scientific and technical creativity of youth by support of public-private partnership. The features of youth innovation centers development abroad are studied — FabLab (Fabrication Laboratories), Design Thinking Lab as well as in Russia — Youth Innovation Creativity Centers, Education Technology Support Centers. Perspective directions of innovative development of youth centers are identified at the main problem points at the stage of their development are discussed.

Keywords: *scientific and technological creativity, youth innovation centers, digital production, fabrication laboratory, rapid prototyping, education technology support, design thinking, modernization.*

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