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Science, technology, art & art education

Jana Jiroutova, Petra Sobanova

Palacky University Olomouc, Czech Republic; JanaJiroutova@seznam.cz

One of the objectives of the paper is to ignite a productive debate on the overlapping tendencies of art and the exact natural sciences, as well as to address the educational dimension of these intersections. We are interested in the relationship between visual arts and sciences and their technical applications. Apart from introductory and rather theoretical overviews, the paper also lists particular examples of these symbioses. In this paper, we would like to demonstrate that science sometimes 'does art' as well as art can 'do science', and sometimes the borders between art and science disappear altogether. The overlapping tendency of science and art is also topical in education. An individual part of the paper will be therefore dedicated to the issue of science and art symbiosis in an educational context. In this part, we will present particular examples of educational projects which integrate educational content of various fields or some of the media resulting from the application of science and technology. We will also tackle the problem of the isolation of individual educational fields in contemporary education, the relationship between individual subjects, and the process of overcoming the transmissive approach to teaching. The paper follows a book which was published in 2016, and in which we focused on the symbiosis between science, technology and art. We will present the book as part of our lecture.