

EDITORIAL

The fourth volume of the quarterly scientific journal *Education – Technical Education – Information Technology* 2018 consists of seven subject chapters.

The first chapter, entitled *Selected Problems of Formal and Non-Formal Education*, deals with the phenomenon of student's mathematical culture as a category that helps to define the ideal of contemporary mathematical education (...) *mathematical culture also includes creativity and imagination, proper understanding of concept and perception of beauty and, at the same time, usefulness of this discipline* (Makiewicz, p. 17).

The second chapter, entitled *Selected Problems of Information Society*, opens with a study on socialization and enculturation, indicating new dimensions and referring them to the realities of virtualization and virtual culture. The research paper on the free time, activities and pastime spent by children and teenagers aged 7–17 years old from the parents perspective concludes this chapter. It has to be pointed out that modernity, i.e. technology development can be characterized by the whale of time children spend with their peers in front of the computer screens playing games instead of the time they spend in the open air.

The third chapter, entitled *Selected Problems of Application of Information Technology in Education*, begins with the research paper describing the principles of designing audio-visual presentation system intended primarily for the needs of teaching and conference rooms, including the essence of acoustic adaptation of the room along with the principles of sound amplification and the methodology of calculations related to the choice of the image projection system. Finally, we learn of the needs to extend engineering training in the scope of electro-magnetic field emitted by electronic laboratory instruments.

The fourth chapter, entitled *Selected Problems of Vocational Education*, presents among others, solutions concerning the increase of effectiveness of vocational education and the growth of its prestige in the society in terms of the labour market expectations and the easily-observed phenomenon of high evaluation of professional competence shaped by young workers who study the craftsmanship in the dual system.

The fifth chapter, entitled *Selected Problems of Teachers' Education*, is concerned with a study presenting the importance of the Center for Development of Education (in Polish: *ORE*) in supporting schools in their multilateral development. Activities that serve the cooperation of various institutions, i.e. national,

international are also outlined with the aim to work towards the advancement and development of children and adolescents. Lastly, we learnt that academic teachers need to master their pedagogical competences in their daily work as well as the competence in the field of methodical creativity, improving their professional knowledge in order to enhance the optimization of their profession.

The sixth chapter, entitled *Selected Problems of Inclusive Education*, opens with a paper on the theoretical and practical justifications and arguments as to the legitimacy of using attractive proposals for educational work, taking into account special needs and possibilities of their practical application. The last paper in this chapter presents a wide range of possibilities the school can offer to help children from alcoholic families.

Chapter seventh, entitled *Student-Doctoral Research Perspective on Educational System*, consists of nine papers, three of which are concerned with educational policy and civic studies playing a significant role in shaping democratic civil society. Other papers in this chapter present a wide scope of research interests: the factors which define “good school”, the advantages and disadvantages of “free of charge” textbooks, which have become the hallmark of Polish school of the second decade of the 21st century.

We encourage our readers to contribute their critical texts in response to the subjects covered in this volume.