

EDITORIAL

The third volume of the quarterly scientific journal *Education – Technical Education – Information Technology 2017* consists of five subject chapters and a review section of the most recent reference titles.

The first chapter, entitled *The Problems of General and Environmental Education*, opens with a research paper on the methodological issues concerning the quality of life research, including the development of tools and methods for the standardization of research on intervening variable data comparison, such as place of living, age, education or walk of life. The subsequent papers deal with the issues of various stages of child and adolescent identity development, also referred to as 'self -I'; models for adult education known as the University of the Third Age, and the most dominant research methodology applied in the educational studies. The last paper in this chapter draws on the issues of teaching students with learning disabilities.

The second chapter, *The Problems of Technical and Vocational Education*, consists of a series of research papers on the development and operation of the center for technical education dissemination; the creation of research posts for engineering students to have the hands-on experience (i.e., research on the electronic memory). Research papers in this chapter also touch on the issues of vocational technical education such as: proposals for the modification of the curriculum in the vocational school of the electronic specialization; inclusion of the control technology in the general technical education curriculum as well as the issues concerning the change and transformation of the technical staff education due to the fourth industrial revolution. The last paper of this chapter presents certain possibilities and limitations of the vocational examination procedures.

The third chapter, *The Problems of Learning and Training Teachers*, begins with the research paper on the current issue of preparing early school education teachers to introduce coding to their pupils. The next papers of this chapter deal with the issues of interpersonal difficulties teachers face when contacting parents via an e-Register; the necessity to improve teachers' time management skills. The last paper of this chapter entitled *Teacher in the 'waking up' school* presents various ideas and formulas for teachers to increase students interests in learning for their future as well as the need for the teachers to be aware of their students self-discovery skills.

The fourth chapter, *The Problems of Media Education*, is composed of several research papers. The author of the first article asks a question: Getting to know new media – new quality or difficulties? – and argues the need for the new convergence in education. The subsequent papers present, e.g., the report on the use of mobile education in post-gymnasium schools; challenges teachers face in the era of information society; the report on cybercrime among gymnasium students in the Podkarpackie region; the issues of non-verbal communication on CMC. The last article of this chapter deals with the need to familiarize students with the issues of various ways and methods to protect their identity in the internet.

The fifth chapter, entitled *The Problems of Information Education*, draws on such issues as the basis for the IT education at various levels of engineering training and specially designed exercises classes and projects for the students on the development of concurrent computing models of real time energo-electrical converters; the development of platforms that connect social websites, the system of crowdsourcing management and the system of education and knowledge management in the, so called, educational cloud. The last paper of this chapter highlights the need to enhance algebra education for the purpose of coding classes in secondary schools.

The reviews of two monographs on the comparison research of the general technical education in Czech Republic, Poland and Slovakia have been included in the last chapter of this volume.

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