

Let's explore new ways

Dear authors and readers.

Authors' interest to publication in the ICTE Journal sharply increased in this year. The six of expert articles in the current issue is proof of that. We know that the quantity is not the only one indicator of success of our journal. Quality is and will be much more important indicator than quantity, not only for us but also for our readers. We will continue to keep our mission: to mediate new findings and approaches of experts in the field of ICT application. We want to try with you to find new ways in order that modern gadgets does not become just an expensive toys in schools, but effective tools in support of education. And what articles you can find in the current issue?

The author of the first article asks, how to increase students' activity when performing simulations of electronic systems. During the computer simulation experiments often becomes that better students meet the targets and achieve the intended educational objectives earlier than the teaching time planned for this activity expires and the teacher has to deal with this situation.

The topic of the second article is informatics education, concretely current state and perspectives of development within the system of field didactics in the Czech Republic. Authors formulate the current problems that informatics education will have to tackle and indicate the possible dangers and perspectives of its future developments.

The third article focuses on didactics of programming. The serious problem is that future teachers do not differentiate between levels of complexity when trying to teach various programming topics, or they skip important steps when explaining solution of a problem.

Readers of the fourth article get to know more about programming with motion sensor using LEGO WeDo at lower secondary school. The authors identified, what types of activities the pupils resolved correctly and in what types of activities pupils most often made mistakes, and suggested solutions.

The fifth article discusses the learner-content interaction in flipped classroom model. The article presents the results of a six-month research of the experimental teaching of mathematics during which students watch educational instructional video before school lessons.

In the sixth article, readers will find a wide range of really very interesting information about the quality of higher education and structure of ICT competence of teachers in Ukrainian high schools. The topic "mobile learning" cannot possibly miss in the journal about ICT in education in the year 2015, therefore the appendix is about Ipads in education that should be teachers' effective tool in frontal education.

So readers read, writers write and all together look for not only new, but also really efficient ways to use ICT in education.

Pavel Kapoun
Executive Editor