



## GOVERNOR — TEACHERS — CHILDREN

On the press-conference WRO 2014, Galina Zolina compares a family, where the child is the center, and Russia where children are the main part of our life: «It's not important what profession the person chose, the most important are children. They unify people». Teams from 47 countries came to Russia to take part in competitions. Students and adults are very thrilled and some of them are following the rule: don't comment anything before you will have done it. Vasily Dunaev, the student of the school of physics and mathematics № 239, talks about his hob-

by and thinks it's an important part of his life. «Robotics as a subject is learnt in our school since the 7th form. I started learning it and liked this. Now I want to connect my life with robotics, physics and maths. I believe these knowledge will be very useful for me in the future» - says Vasily. Robotics is a new subject for most of school teachers and they learn something new with their students. Alexandr Shaporov has been teaching labour studies for 36 years already, but he has been studying robotics for 3 years only. «Parents buy their children toys they have

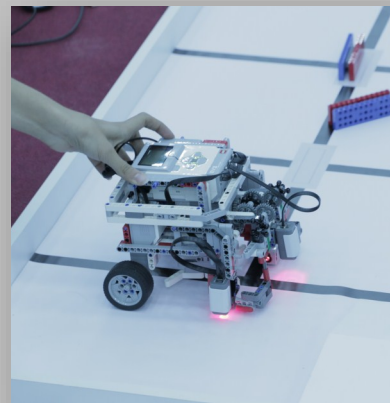
to build from details. It's the beginning of the interest.» To sum up, people of different ages and professions become the part of a system. All of them: teachers, ministers and students have one idea: to develop robotics and make the world better with the help of modern technologies.

Valentina Goriichneva



## WHY TEENAGERS DECIDED TO CREATE ROBOTS?

From non-significant hobbies to victories in the international competitions. Why do children from different countries and ages make his own robotics?.. So, at first, i asked a few inventors from this event, why have they decided to create their machines. Answers were too different! Some children made it for



pleasures, for interest, other made it because they saw video on YouTube. And some of them made it for victory. But what do they all have in common, if they had absolutely different reasons to create their robots?.. There are the answers. They all made it for try. Try to make something new and something really interesting for them. Try to have experience with robots. Try to know, can they do it? We are looking forward to know, could they do, that they wanted. And of course, we want to know the names of winners of this competition.

Eva Oganian

# RUSSIAN STUDENTS WILL STUDY ROBOTICS

Senior officials are talking about the opportunity of studying robotics in Russian schools since the next year. As Dmitry Livanov (the Minister of education and science in Russian Federation) says, the goal of this innovation is to develop the interest to this subject in children. «Not everyone will become Korolev or Steve Jobs, but everyone must have a chance to try it» - thinks Livanov. But are there enough teachers who know the subject? Answering the question, the Minister says that governments pay attention to the teacher's job and they try

to make it more attractive. Galina Zolina, who is the Head's of administration of Krasnodarsky region deputy, even thinks that «the society shouldn't wait for prepared teachers». Dmitry Livanov suggests increasing the number of optional subjects. The next year will show how serious these changes are.

Anna PETROVA



## SOME FACTS ABOUT WRO

The first WRO was held in Singapore in 2004.

The next festival will be in Qatar in 2015

ROBOTICS  
DAYS IN  
SOCHI 2014

## BY THE WAY...

LEONARDO DA VINCI MADE THE FIRST PICTURE OF THE ROBOT, WHICH LOOKED LIKE HUMAN. IN ABOUT 1495. LEONARDO'S NOTES, FOUND IN 1950S, CONTAINED DRAWINGS OF MECHANIC KNIGHT WHO WAS ABLE TO SIT, MOVE HIS ARMS AND HIS HEAD. ITS DESIGN WAS BASED ON ANATOMIC KNOWLEDGE WHICH WERE WRITTEN IN VITRUVIAN HUMAN. IT IS UNKNOWN IF LEONARDO TRIED TO BUILD A ROBOT. THE FIRST WORKING ROBOT - ANDROID PLAYING THE MUSIC INSTRUMENT - WAS CREATED BY FRENCH MECHANIC AND INVENTOR JAK DE VOKANSON IN 1738.

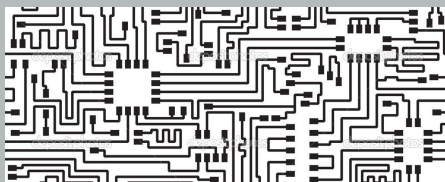


## THE WORLD OF RIGHT TOYS

On November 21, «Robotic days in Sochi» started, where different kinds of robots were presented. Each of them had its own function. After the presentation of all machines, everyone could buy an attractive robot. Among all clever machines, there were interesting toy robots. They were created for children aged from 7 to 8 years old to give them an opportunity to find out how robots work and to give them some knowledge

about chemistry and physics. That's why it is called «The world of right toys». Also children can build the mechanical toys by themselves.

Angelina EMELYANENKO



## YOUNG AMERICAN INVENTOR

Many young inventors came to Sochi with their interests, hobbies and plans for life. But why did they decide to make robots?

«I decided to create the robot because I



wanted to take part in competitions, - said Awin Lin (NYC, USA) - I was inspired by the fact that I just wanted to try and it was simple. I have done the machine for overcoming obstacles. I have been doing the robot for 3 weeks. But I don't want to connect my life with robotics. I will be a programmer».

Yanina KLUCHNIKOVA