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Department of Science,  
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# ROBOTS INC ROBOFORUM 2015

## 29 APRIL

MOSCOW • VDNH • PAVILION 2 • ROBOSTATION

### **THE 2<sup>ND</sup> INTERNATIONAL ROBOFORUM «ROBOTS & PEOPLE: TIME TO GET CLOSER»**

will be held this spring at VDNKh in one of the park's beautiful pavilions. Global leaders in robotics and related areas, scientists, representatives of Ministries and educational institutions along with young successful engineers, will discuss the trends in robotics, new movements in technical education, the role of engineers in the development of this branch in Russia and worldwide, and how to motivate children to become interested in engineering art.

#### **Main agenda:**

#### **EDUCATING A NEW GENERATION OF ENGINEERS**

#### **Key aspects of Roboforum 2015:**

##### **THE AGE OF ROBOTICS**

the demands of international economics in robotics: today and tomorrow

##### **THE LEADERS IN ROBOTICS**

Russian and foreign, private and state-owned companies in the era of change

##### **THE ACES OF ROBOTICS**

motivation and shortage of skilled workers. New roles for business and government

##### **NEW OBJECTIVES AND NEW RESPONSIBILITIES**

##### **LIVE COOPERATION OF THE NEW INDUSTRIAL REVOLUTION**

science and business in applications fulfillment

##### **PROFICIENT TECHNICAL EDUCATION**

forgotten values of diversified steady economics of the world

##### **BREAKTHROUGH EDUCATIONAL METHODS**

the tools for exchanging experience among generations

##### **«HIDDEN» ENGINEERS**

children today, the future of big innovations tomorrow

# ROBOFORUM<sup>2015</sup>

**Roboforum 2015 is a cross-disciplinary discussion platform about robotics** which brings together leading scientists, politicians and businessmen from all around the world. The Forum initialises cooperation in robotics – one of the most promising and important innovative development branches in the world for the next 20 years.

## Speakers:

### **MARCO DELAINI**

CEO, FANUC Russia

**Russia**

### **GERD HIRZINGER**

Director at DLR's Institute of Robotics and Mechatronics, Inventor of Rollin' Justin

**Germany**

### **LINDA MARIE FULLER**

Assistant Regional Director Engineering education scheme

**UK**

### **MATS HANSON**

Dean of Education, Professor of Skoltech, former professor in Mechatronics

**Russia**

### **GIORGIO METTA**

Director of the iCub Facility department, Istituto Italiano di Tecnologia (IIT), inventor of humanoid robot iCub

**Italy**

### **JAN DE COSTER**

Founder of Slightly Overdone, an activist of the "maker" movement in Belgium

**Belgium**

### **ALESSANDRO INCISA**

Project manager, Carlo Ratti Associati, inventor of robotic bar Makr Shagr

**Italy**

### **PETER REDMOND**

Lecturer at Trinity College Dublin, inventor of Rubik's cube solving robot Rubot II

**Ireland**

### **YURI PODURAEV**

Doctor of Engineering Science, Vice-Principal, Head of Department at Moscow State University of Technology 'Stankin'

**Russia**

### **SERGEI BELAVSKY**

CEO, chief designer, BIT Robotics

**Russia**

**and others**

## Brief description / Roboforum 2014

**The key theme of the Forum was integration of Art & Science through the example of robotics.** During the 4 days of the Forum (May 15-18) appeared 52 speakers from the United Kingdom, the USA, South Korea, Canada, France, Singapore, Slovenia, Italy, Spain and other countries. About 40 000 people in Russia and abroad were able to see the live broadcast of ROBOFORUM 2014.

## Among the speakers were:

### **JUN-HO OH**

Professor of KAIST, creator of Hubo Robot  
**South Korea**

### **MARK SHMULEVICH**

Deputy Minister of Communications and Mass Communications  
of the Russian Federation  
**Russia**

### **WILL JACKSON**

Head of Engineered Arts Ltd, creator of RoboThespian  
**UK**

### **FRANCESCO FERRO**

CEO of PAL Robotics that created robot REEM  
**Italy**

### **MUN-SANG KIM**

Director of Cognitive Robotics Center at KIST, co-creator Mero,  
Kibo, Ciro and Silbot robots  
**South Korea**

### **MELONEE WISE**

CEO and co-founder of Unboundedrobotics  
**USA**

### **VLADIMIR KONYSHEV**

General director of Neurobotics  
**Russia**

### **EVGENIY NADORSHIN**

Chief Economist, JSFC Sistema, senior professor,  
NRU «Higher school of Economics»  
**Russia**

and others

## Russia and the world

The history of industrial robotics began just half a century ago and now the humankind is facing the 4th industrial revolution. The experts predict that in a few decades surrounded by machines people will be freer and their role in the development of economics will become more creative and artistic.

Today South Korea leads the “technology drive”: for every 10 000 people there are 400 robots here while the average index is about 60 machines. Other leaders are the USA, China, Japan and Germany while Russia is one of the countries with the lowest “amount of robots per head”. But according to forecasts by 2016 the amount of robots employed in the industry will increase by 60%.

HR specialists say that the development of technology leads to labor-market changing beyond recognition in the next decades. Robot-technicians and experts in robotics will be in favour. Today this vocation is not popular in Russia as only about 800 people per year qualify as robot-technicians.

The Russian Government developed legislative and other measures for developing high technology. Moreover, forming a new educational system for the engineers of the new age will be funded from the federal budget. It is even possible Robotics will be included in the Curriculum. Indeed, children are more open to modern technology; the younger generation is the one we should motivate to become engineers. But is the support we have today sufficient for creating engineers of the future?

## [mosroboforum.ru](http://mosroboforum.ru)

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