



**International  
Youth Conference  
MECHATRONICS AND ROBOTICS  
6-8 September 2011**

**Russian State Scientific Center  
Central Research and Development Institute  
for Robotics and Technical Cybernetics  
21 Tikhoretsky prospect Saint-Petersburg**

**INFORMATION ANNOUNCEMENT**



RUSSIAN ACADEMY OF SCIENCES



MINISTRY OF EDUCATION AND SCIENCE  
OF THE RUSSIAN FEDERATION



Government  
of Saint-Petersburg

**GOAL OF THE CONFERENCE**

Pay attention of representatives of business community as well as scientific and commercial structures to the achievements of young scientists in the field of mechatronics and robotics.

**ORGANIZER OF THE CONFERENCE**

Russian State Scientific Center "Central R&D Institute of Robotics and Technical Cybernetics" (RTC), St-Petersburg

**WITH SUPPORT OF**

- Ministry of Education and Science of the Russian Federation
- RAS
- Government of Saint-Petersburg

**FINANCIAL TERMS**

Participation in the conference is free

**REGISTRATION FOR CONFERENCE**

To take part in the conference it is necessary to send registration form (*Annex 1*), abstracts of papers and expert decision on the possibility of open-for-public edition to the **e-mail: [mrspsb@rtc.ru](mailto:mrspsb@rtc.ru) before July 30, 2011**. Either interactive registration is possible, for this purpose visit <http://www.rtc.ru/>

*After the presented materials have been examined by Program Committee, the agreement concerning papers' acceptance and invitation for the conference will be sent to the participant.*

**GUIDELINES FOR MATERIALS**

Gathering and examining of the materials presented to the Program Committee up to August 5, 2011

Sending agreement concerning papers' acceptance and invitation for the conference up to August 10, 2011

**CONFERENCE SECRETARIAT**

tel.: (812) 5524162; e-mail: [mrspsb@rtc.ru](mailto:mrspsb@rtc.ru)

**SUBJECTS OF THE CONFERENCE**

- **Tendencies and perspectives of development for Mechatronics and Robotics**  
Miniaturization. Intellectualization. Integration. Bionic approach. "Human factor" problem
- **Intellectual systems of motion control**  
Methods of artificial intelligence. Cognitive and creative systems. Man-machine systems
- **Mini- and Micro-robotics**  
Construction peculiarities. Micromanipulation. Nanosized components
- **Sensory systems and sensory information processing**  
Sensory systems of general and special application. Sensor fusion. Image recognition. Forming 3D environmental models on the basis of sensory information
- **Reconfigurable systems**  
Module systems of configurable structure. Human-centered and Life-like robotic systems
- **Problems of metrology in mechatronics and robotics**  
Measurements and test run. Testing. Projects metrological assurance

**CONFERENCE OFFICIAL LANGUAGES**

Russian, English

**GUIDELINES TO PAPERS**

Full papers (size is up to 8 pages) should be sent to **e-mail: [mrspsb@rtc.ru](mailto:mrspsb@rtc.ru)** in one file of **Word for Windows** text editor. Page size – A4

Borders: upper and lower – 1,8 cm; left and right – 1,9 cm

Font: Times New Roman Cyr, size: 11 points

Paragraph Tab: 0,8

Single line spacing

Tables and drawings (as the objects) should be inserted in the document and be signed. Diagrams in black and white are allowed.

Surnames and initials of the authors should be placed in the right upper corner, (semibold, in italics, interval after it should have 9 points). The name of the report should be centered (Caps Lock, semibold, interval after it should have 9 points). Then the name of the organization, city, e-mail of the authors should be placed, and finally the body text is coming. References should be given in Arabic numerals within square brackets. Bibliography is to be given in 6 points after the text without any titles and tabulation.