

## **Main deadlines for papers**

“The 2<sup>nd</sup> Russian-Indian Joint Workshop on Computational Intelligence and Modern Heuristics in Automation and Robotics” going to be held at NSTU Novosibirsk, Russia during 10-13 September 2011 invites the participants to send their papers.

The first Workshop was in India, Surat,

<http://robotics.youngester.com/2010/07/free-entryindo-russian-joint-workshop.html>

### **The Program Committee (Russia):**

1. Prof. Vadim Zhmud (Coordinator of the Russian team, science reduction, **Session-1-2**)
2. Prof. Galina Frantsuzova (Science reduction, Workshop technical support, **Session-1**)
3. Prof. Anatoly Vostrikov (Science reduction, **Session-2**)
4. Asst. Prof. Evgeniy Prokhorenko (Workshop technical support, Science reduction, **Session-3**)
5. Prof. Alexander Voevoda (Science reduction, publishing of the Proceeding, **Session-4**)
6. Prof. Tatyana Avdeenko (Science reduction, excursion support, **Session-4**)
7. Prof. Evgeniy Rabinovich (Science reduction, Workshop technical support, **Session-5**)
8. Prof. Vladimir Guzhov (Science reduction, **Session-6**)
9. Asst. Prof. Dmitriy Khudyakov (web-site, Workshop technical support, **Session-3**)

### **The Program Committee (India):**

1. Prof. Ravipudi Venkata Rao (Coordinator of the Indian team)
2. Asst. Prof. Dinesh Singh (Co-coordinator of the Indian team)
3. Asst. Prof. Anil Mahto (Member of the Indian team)
4. Asst. Prof. Vivek D.Kalyankar (Member of the Indian team)
5. Asst. Prof. Vivek Patel (Member of the Indian team)
6. Asst. Prof. Bhavesh K. Patel (Member of the Indian team)
7. Assoc. Prof. Vimal J. Savsani (Member of the Indian team)
8. Assoc. Prof. Padmakar J. Pawar (Member of the Indian team)
9. Er. T. S. Rajesh (Member of the Indian team)

### **Invited reporters**

1. Prof. Yevgeny Tsoi, Vice-rector in charge of International Relations, NSTU, Novosibirsk, Russia; <http://www.nstu.ru/en/leadership/tsoi.phtml>
2. Prof. Valery Yurkevich, Professor of Cathedra of Automation, NSTU, Novosibirsk, Russia;
3. Dr. Mukesh A. Zaveri, Professor, Dept. of Computer Science and Engineering, S.V. National Institute of Technology, Surat, Ichchanath, Surat, Gujarat State – 395 007, India
4. Dr. M. N. Mehta, Professor, Dept. of Applied Mathematics S.V. National Institute of Technology, Surat, Ichchanath, Surat, Gujarat State – 395 007, India

### **Main deadlines:**

Participation agreement and all passport data for Indian participants – 20 June 2011

First papers versions – 10 July 2011

Program Committee confirmation final list of the papers – 30 July 2011

The final papers from the participants – 20 August 2011

- Session-1:** Topics covering Intelligent Systems and Control, Optimization of the regulators, Adaptive regulators, Modern Heuristics, Artificial Intelligence, Data Mining in automation and industrial applications; and Neural/Fuzzy/Evolutionary approaches in automation.
- Session-2:** Topics covering Modern heuristics methods in factory automation based on predictive, adaptive control, recognition, navigation, motion control, competitive, self-organizing learning, and clustering.
- Session-3:** Topics covering Computational Intelligence in wireless automation protocols such as Bluetooth, WiFi, and ZigBee; Computational Intelligence in security, reliability, and fault-tolerance in automation.
- Session-4:** Topics covering Ant colonies optimization and swarm intelligence in automation; Petri Nets, Chaos, Markov models, Support Vector Machines, and Expert Systems.
- Session-5:** Topics covering Machine Vision and Intelligence, Actuators and Motion Control, Multisensor Fusion and Integration.
- Session-6:** Topics covering Intelligent Robots and Systems, Human-robot interaction, Robot vision, Cognitive robotics, and Cooperative and Collaborative robotics.