



# Call for Papers

## Intelligent Systems Symposium 2016

intels-conf.ru

International Symposium "Intelligent Systems" 2016, Moscow, Russia, October 5–7, 2016

### COMMITTEE

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### DEADLINES

**Expression of interest:**  
 via e-mail [org@intels-conf.ru](mailto:org@intels-conf.ru)  
**Full paper submission:**  
 July 20th, 2016  
**Notification of acceptance:**  
 August 1st, 2016 (via e-mail)  
**Camera ready submission:**  
 September 1st, 2016  
**Early bird registration:**  
 August 15th, 2016  
**Regular registration:**  
 September 15th, 2016  
**Conference events:**  
 October 5th–7th, 2016

### INVITATION

Peoples' Friendship University of Russia (PFUR) invites you to participate in the XII International Symposium «Intelligent Systems – 2016», that will take place in **Moscow, Russian Federation (October 5–7, 2016)**. This symposium is an opportunity for scientists from all over the world to share ideas and achievements in the theory and practice of intelligent systems.

### TOPICS OF INTEREST

Theoretical foundation of intelligent systems  
 Logic inference and many-valued logic  
 Symbolic regression and genetic programming  
 Artificial neural networks  
 Patterns recognition  
 Fuzzy systems  
 Big data algorithms  
 Evolutionary computations  
 Bionic systems

Cognitive systems  
 Swarm intelligence in robotics  
 Intelligent systems in robotics  
 Intelligent aerospace systems  
 Intelligent life support systems  
 Intelligent decision support systems  
 Intelligent systems in bioinformatics  
 Intelligent systems hardware platform  
 Nanoengineering in intelligent systems  
 Innovative materials and technologies for the intelligent systems

### NOTES FOR AUTHORS

We accept two-columns articles, based on the default IEEE template. An article should have no more than 6 pages. Paper size: A4. Accepted formats: Microsoft Word 2003, LaTeX. Every article will undergo a review process by two independent referees. Accepted papers will be indexed by Web of Science Citation Index.

### KEYNOTES & LECTURES

The symposium main focus will be on the latest computational methods, especially in the symbolic regression field. Symbolic regression methods help to find the mathematical expressions structure. The conference plenary lectures will be connected with this field:

- Ivan Zelinka, analytical programming method author, will present mutual intersection of a few interesting fields of research which core topic are bio-inspired algorithms in general. It discusses recent progress in bio-inspired algorithms that can be used for control of complex systems including swarm based systems. Bio-inspired algorithms, based on its nature, are capable of real-time control of various systems, as will be reported and discussed in this speech.
- Askhat Diveev, network operator method author, will report recent advances in the network operator applications in the systems identification and control synthesis problems. Robot swarm control problem will be stated and analyzed. Robot swarm identification, stabilization, optimal control and control systems synthesis problems will be using multi-layer network operator and evolutionary algorithms.

### COPYRIGHT CONDITIONS

The material submitted for presentation at INTELS'16 symposium, must be original, not published or being considered for publication elsewhere. All accepted papers shall appear in the Conference Proceedings and will be distributed to participants.

### PARTNERS

Peoples' Friendship University of Russia



The Ministry of Education and Science of the Russian Federation



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