

**Rostov State Transport University (Russia)**

**VŠB – Technical University of Ostrava (Czech Republic)**

**Southern Federal University (Russia)**

**Russian Association for Fuzzy Systems and Soft Computing**

**Russian Association for Artificial Intelligence**

**Russian Foundation for Basic Research**

**Rostov Branch of JSC “NIIAS”**

1-st International Scientific Conference

**“Intelligent information technologies for industry” (IITI’16)**

**(May 16-21, 2016, Rostov-on-Don – Sochi, Russia)**

**SECOND CALL FOR PAPERS**

Dear colleagues!

On behalf of the Program Committee and Organizing Committee we have a great pleasure to invite you to the Southern Russia for the IITI’16 Conference.

We would like to remind about two key dates:

1. **December 30, 2015** – deadline for submission of application for participation in the conference (Author Names and Surnames as well Paper title should be sent to iiti16@rgups.ru)
2. **January 15, 2016** – Deadline for submission of papers on EasyChair (the .pdf version of paper should be sent by using EasyChair service <https://easychair.org/conferences/?conf=iiti16>).

To facilitate your paper preparation, the simple template is sent in the annex.

**Topics of interest**

* Knowledge representation models and knowledge discovery techniques
* Data mining
* Fuzzy sets, fuzzy relations and related formalisms
* Evidence and possibility theories
* Non-classical logic and plausible inference
* Non-factors modeling in intelligent systems
* Soft computing and measurement, computational intelligence
* Linguistic models and granular computing, linguistic and percept measures
* Decision making and intelligent systems for decision making
* Multisets and fuzzy multisets
* Hybrid fuzzy and probability models
* Algebraic Bayesian networks and trust networks
* Neural networks, neuroinformatics and neurointelligence
* Cognitive modeling and cognitive agents
* Classification, recognition and training
* Evolutional modeling, bionic and genetic algorithms
* Multiagent systems and distributed AI
* Artificial life, swarm intelligence, adaptive behavior
* Applied intelligent dynamic systems
* Automation and intellectualization for industrial systems
* Automation and intellectualization for transport systems
* Automation and intellectualization for telecommunications systems
* Automation and intellectualization for drives systems
* Automation and intellectualization for energetic systems
* Information safety and security
* Intelligent information technologies for education

**Conference sections**

* Model-based reasoning and non-classical logic
* Data mining, knowledge discovery and machine learning
* Fuzzy models, soft computing and evolutional modeling
* Classification, recognition and artificial neural networks
* Multi-agent and distributed systems
* Intelligent decision support systems
* Automation and intellectualization for industrial, transport, telecommunications, drives and energetic systems
* Intelligent information technologies for education and science

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Further information is available on the conference website: <http://iiti16.rgups.ru/en/>

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