

# ISA 2017

## 4th International Symposium on Intelligent Systems and Algorithms

### Organizers:

Dr. Martin Kotyrba – Chairman  
Assoc. Prof. Eva Volna – Vice-Chairman,  
Prof. Ivan Zelinka – Vice-Chairman,



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Intelligent systems and algorithms is a promising research field of modern computational intelligence concerned with the development of the next generation of intelligent systems and algorithms. Intelligent systems and algorithms are getting popular due to their capabilities in handling several real world complexities involving imprecision, uncertainty and vagueness. The symposium has the intention to provide a contribution to academics and practitioners. So, both fundamental and applied researches are considered relevant.

Extended abstracts will be published in a Special Volume of the world-renowned AIP Conference Proceedings. The American Institute of Physics (AIP) Conference Series is a very well known series of Conference Proceedings, which is included in the leading databases of scientific & engineering literature including, ISI Web of Knowledge, MathSciNet, Scopus, Scirus, Google Scholar, etc and in the past had been included in SCIE.

### TOPICS

- Genetic Algorithms
- Genetic Programming
- Grammatical Evolution
- Differential Evolution
- Evolutionary Strategies
- Hybrid and Distributed Algorithms
- Fuzzy Logic, Expert Systems
- Neural Networks
- Multi-Agent Systems
- Artificial Life
- Chaos, Complexity, Fractals
- SWARM Computing
- Mathematical Optimization
- Stochastic Optimization
- Information technology, Image Processing, Computer Vision
- Web Ontologies, Deductions, OWL, Adaptive E-learning

Best selected papers from ISA 2017 will be invited to be extended and subsequently sent for reviews and publishing for special issue in the following journals:

- Intelligent Systems, IEEE International Journal.
- Journal of Numerical Analysis, Industrial and Applied Mathematics (JNAIAM), which is the official journal of European Society of Computational Methods in Sciences and Engineering
- Mathematical Methods in the Applied Sciences (Wiley & Sons)
- Applied Mathematics & Information Sciences (AMIS).

### DATES

Papers in the form of extended abstracts, max. 4 pages according to the AIP template, should be sent to

[martin.kotyrba@osu.cz](mailto:martin.kotyrba@osu.cz)

Paper submission deadline **20th June 2017**

### FEES

We note that our policy for the publication of more than one papers is the following:

For one paper: **300 EUR** / For two papers: **450 EUR**