

# IEEE FIRST INTERNATIONAL CONFERENCE ON SYSTEM ANALYSIS & INTELLIGENT COMPUTING – 2018 (SAIC-2018)

Kyiv, Ukraine October 08 – 12, 2018

## IMPORTANT DATES

Paper Submission: **March 31, 2018**  
Tutorial Request: **March 31, 2018**  
Paper Acceptance Notification: **June 15, 2018**  
Final Paper Submission: **July 15, 2018**  
Registration Fee Payment: **July 15, 2018**

## REGISTRATION FEES

**for international participants:**

**IEEE Member – 80 EUR**

**Non-IEEE Member – 100 EUR**

**Student IEEE Member – 40 EUR**

**Student Non-IEEE Member – 50 EUR**

included Welcome Party, City Tour,  
Participants Bag, Conference Program &  
Proceedings, Lunches, Dinner and Coffee-  
breaks

**from Ukraine and CIS countries:**

**IEEE Members – 400 UAH**

**Non-IEEE Members – 500 UAH**

**Student IEEE Member – 200 UAH**

**Student Non-IEEE Member – 250 UAH**

included Welcome Party, City Tour,  
Participants Bag, Conference Program &  
Proceedings and Coffee-breaks

## TRAVEL GRANTS

Organizing Committee will provide several Travel Grants for participants from developing countries, especially for students and young professionals

## VISA

**For foreign participants:**

no visa to enter Ukraine is required for citizens of EU, Switzerland, Norway, Iceland, USA, Canada, Japan and some other countries.

Visitors **from the other countries** have to contact the Ukrainian embassy for the information.

## CONTACTS

Website: <http://saic.ieee.org.ua>

E-mail: [saic@ieee.org.ua](mailto:saic@ieee.org.ua)

## CALL FOR PAPERS

The 2018 IEEE First International Conference on System Analysis & Intelligent Computing (SAIC) is sponsored by IEEE Ukraine Section and Igor Sikorsky Kyiv Polytechnic Institute.

You are welcome to submit paper and take part in the IEEE SAIC-2018!

## CONFERENCE TOPICS

### Track 1. System analysis of complex systems (SACS)

1. Methods of system analysis of complex systems of different nature in conditions of uncertainty and risks.
2. Mathematical methods, models and technologies of research of complex systems.
3. System methodology of foresight in the tasks of planning and making strategic decisions.
4. Problem-oriented methods of analysis, diagnostics and design of complex systems in conditions of uncertainty and risks.
5. Decision support systems and its applications
6. Nonlinear problems of system analysis.
7. System methodology of sustainable development.

### Track 2. Computational Intelligence (CI)

1. Fuzzy sets, fuzzy sets type- 2 and applications.
2. Neural networks, Deep learning neural networks
3. Fuzzy logic systems, fuzzy neural networks
4. Machine learning and self-learning
5. Convolutional neural networks
6. Intellectual decision-making systems
7. Genetic algorithms and evolutionary modeling
8. Particle swarm optimization and ant colonies algorithms
9. Pattern recognition, image processing, automatic speech recognition.

### Track 3. Intelligent Computing Technologies (ICT)

1. Service – oriented computing and Architectures (SOA and SOC)
2. Distributed Grid-Cloud-Fog Computing
3. Ontologies, Microservices, Containers, API in SOA and SOC
4. Service Discovery, Orchestration and Composition
5. Agents and Multi-agent Systems
6. Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS), Data as a Service (DaaS)
7. Blockchain and Serverless Computing
8. SOC and SOA in Internet of Things and in Applications for European Open Science Cloud (EOSC)
9. Earth Observations and Geospatial Intelligence

### Track 4. Data Science and Risk Management in financial world (DSRM)

1. Big Data tasks: business force
2. Analyzing, modelling, and forecasting of the economic trends
3. Data mining methods for stock-market exchange scenarios
4. Artificial Intelligence for financial business tasks modelling development
5. Financial risks management. Decision Making Systems: Economic implementation
6. Information and Telecommunication risks analysis and management
7. Mobile and Software applications systems for data mining economic indexes