XIII Majorov International Conference on Software Engineering and Computer Systems

MICSECS-2021
(2-3 Dec.)

General Chair: Pavel Kustarev, ITMO University, Russia
Program Chair: Aleksandr Penskoi, ITMO University, Russia
Organizing Chair: Elena Boldyreva, ITMO University, Russia
The XIII Majorov International Conference on Software Engineering and Computer Systems (MICSECS-2021) is an international event dedicated to discussing research results and directions in the areas related to Complex Computer Systems Design.

Topics:
- Software and Hardware Engineering
- Computational Platforms and Tools
- Cloud Computing, Internet of Things and Cyber-Physical Systems
- performing and application of Artificial Intelligence
- modern UI/UX, Multimedia, Virtual and Extended Reality technologies
MICSECS-2021
Partners & Sponsors

ITMO UNIVERSITY

masterdata
ITMO University
ITMO in Numbers

- 960+ PhD students
- 1,324 faculty members
- 7,383 Bachelor’s students
- 2,920 international students from 110 countries
- 6,060 Master’s students
- 13,400+ students
ITMO University

ITMO in Rankings

58th in THE Emerging Economies Regional University Rankings
126-150 in THE subject ranking in Computer Science

74th in QS subject ranking in Computer Science & Information Systems
201-250 in Electrical and Electronic Engineering
256th in QS broad subject ranking in Natural Sciences

6th in the Forbes ranking of Russian universities

365 in QS World University Rankings

270 in the Three University Missions ranking

76-100 in ARWU subject ranking in Automation & Control
ITMO University

Fields of Study

- Artificial intelligence
- Machine learning
- Big Data
- Bioinformatics
- Digital transformation
- Translational medicine
- Urban studies
- Internet of Things
- Lighting design

- Mechatronics and robotics
- Cyberphysical systems
- Digital navigation and control
- Computer graphics and design
- Unmanned aerial vehicles
- Infochemistry

- Laser optics and technologies
- Radiophysics
- Light technologies and optoelectronics
- Nanoelectronics
- Quantum technologies
- Metamaterials
- Bioengineering

- Infochemistry
- Biotechnologies
- Energy and Ecotechnology
- Solution chemistry of advanced materials and technologies
- Chemistry and molecular biology

- ICT
- Life sciences
- Foodtech
- Cleantech
- Transportation
- Creative industries
- Printed electronics
- Digital transformation
- Innovative marketing
- Quality control and industry regulation
- Intellectual property
- Venture investments

- Humanities and IT
- Art & science
- Science communication
- Data, culture and visualization
- Public Health Sciences
- Product Design
ITMO University

ITMO.Family: An Environment for Growth

Free 24/7 coworking areas

Digital library
Masterdata
Помогаем бизнесу предоставлять лучший клиентский опыт

Область: Автоматизация бизнес-процессов

• От консалтинга и выбора до внедрения решений на базе SAP. Реализовали проекты для отраслей: ритейл, финансовый сектор, производители, телеком, промышленность. В портфолио насчитывается более 250 успешных кейсов.

Награды:

• Customer Engagement за внедрение для «РосЕвроБанк» SAP Partner Excellence Award 2015

• Customer Engagement за реализацию проекта для «Аптека 36.6» SAP Partner Excellence Award 2018

• «Опережая клиентские мечты» за внедрение для онлайн-гипермаркета «Утконос» SAP VALUE Awards 2018
MICSECS-2021
Statistics & Overview

• Submissions: 82
• Accepted submissions: 62
• Acceptance rate: 0.76
• Review per submission: 2.7
• Program committee: 35 (6 Countries)
• Countries of participants: 11 (Afghanistan, Brazil, Bulgaria, France, Germany, India, Kazakhstan, Morocco, Russia, Syria, United Kingdom)

• 2 days
• Up to 2 parallel tracks
• Hybrid format
• Double-blind review
• Keynotes & Master class: 4
• Oral sections: 11
• Student colloquium
MICSECS-2021
Submission Options & Conference Proceedings

**Research Papers** are dedicated to demonstrating the results of participant research and involve discussions with researchers in your area of interest.

- It will be published in the conference proceeding indexed by Scopus conference proceedings via CEUR Workshop Proceedings.

**Reports on Work in Progress or Pet Projects** are dedicated to demonstrating the current state of ongoing or non-scientific projects.

- It will be published in the conference proceeding and indexed by the RSCI database.

**Student Colloquium** is a non-formal format that combines oral presentation and poster session elements in which participants can briefly overview their work and continue discussions with interested listeners.
### MICSECS-2021

**Thu. 2 Dec. 2021 (Day 1)**

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<th>Time</th>
<th>Track 1</th>
<th>Track 2</th>
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<tr>
<td>10:00</td>
<td>Open Ceremony</td>
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<tr>
<td>10:30-12:00</td>
<td>Oleg Lapshin (Masterdata)</td>
<td>Where is the Market Going, Who Needs Lowcode Platforms and Why?</td>
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<tr>
<td>12:00-13:30</td>
<td>Artificial Intelligence, Machine Learning #1</td>
<td>Computer Systems &amp; Networks Engineering</td>
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<tr>
<td>14:00-15:30</td>
<td>Олег Лапшин, Александр Гриценко (Masterdata)</td>
<td>Погружение в RPA-технологии</td>
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<td>15:30-17:00</td>
<td>Artificial Intelligence, Machine Learning #2</td>
<td>Multimedia &amp; Computer Graphics #1</td>
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### MICSECS-2021
Fri. 3 Dec. 2021 (Day 2)

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<tr>
<th>Time</th>
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| 10:15-11:00   | Евгений Некрасов (Университет ИТМО)  
Интеграция команды в себя, как работает незрячий DevOps инженер |                                              |
| 11:00-12:30   | Cyber-Physical Systems & Internet of Things #1                           | Multimedia & Computer Graphics #2            |
| 13:00-13:30   | Евгений Некрасов (Университет ИТМО)  
Трансгуманизм киборгизации, импланты и серая зона |                                              |
| 13:30-15:00   | Cyber-Physical Systems & Internet of Things #2                           | Software Engineering #1                      |
| 15:30-17:00   | Natural Language Processing                                             | Software Engineering #2                      |
| 17:00-18:00   | Student Colloquium                                                      |                                              |
| 18:30         | Close Ceremony                                                          |                                              |
Welcome to MICSECS-2021

In case of any difficulty, contact us by:
Telegram: https://t.me/MICSECS_chat
Organizing Chair Phone: +7-952-239-04-63 (Elena Boldyreva)
Organizer email: mr@itmo.ru

https://2021.micsecs.org