



16, 17 И 18 ДЕКАБРЯ



FIT-M 2021



МОСКВА
ПОКРОВСКИЙ БУЛЬВАР, 11

FIT-M 2021 PROGRAM

DECEMBER 16

- 09:30 – 10:00 **Registration**
- 10:00 – 10:15 **Opening Ceremony**
- 10:15 – 11:00 **Plenary session**
- 11:00 – 11:15 **Coffee break**
- 11:15 – 13:15 **Conference, Reactor, Lectures**
- 13:15 – 14:00 **Lunch break**
- 14:00 – 16:00 **Conference, Reactor, Lectures**
- 16:00 – 16:15 **Coffee break**
- 16:15 – 18:00 **Conference, Reactor, Lectures**
- 19:30 **Hackathon start**

DECEMBER 17

- 09:30 – 10:00 **Registration**
- 10:00 – 12:00 **Conference, Reactor, Lectures**
- 12:00 – 12:15 **Coffee break**
- 12:15 – 13:15 **Conference, Reactor, Lectures**
- 13:15 – 14:00 **Lunch break**
- 14:00 – 16:00 **Conference, Reactor, Lectures**

Forum website <https://fit-m.org/>

16:00 – 16:15 Coffee break

16:15 – 18:00 **Conference, Reactor, Lectures**

DECEMBER 18

09:30 – 10:00 **Registration**

10:00 – 12:00 **Conference, Reactor, Lectures**

12:00 – 12:15 Coffee break

12:15 – 13:15 **Conference, Reactor, Lectures**

13:15 – 14:00 Lunch break

14:00 – 16:00 **Conference, Reactor, Lectures**

16:00 – 16:15 Coffee break

16:15 – 18:00 **Conference, Reactor, Lectures**

18:00 – 20:00 **Closing Ceremony. Awarding of the Hackathon winners**

MACSPRO'2021 CONFERENCE

DECEMBER 16

11:15 – 13:15

Sections

- **Bioinformatics (Mikhail Gelfand ↗, Maria Poptsova ↗)**
- **Electronic and electrical computer-aided design, ECAD (Konstantin Petrosyants ↗)**
- **Recent developments in the micro-macro economic modelling framework (Asiya Maskaeva ↗)**
- **Problems of the national economy midterm analysis (Alexandra Zhukova ↗)**

14:00 – 16:00

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- **Problems of the national economy midterm analysis (Alexandra Zhukova ↗)**
- **Intelligent decision making and applied game theory (Fuad Aleskerov ↗)**

Roundtables

- **Logic in Economics (Denis Fedyanin ↗)**
- **Modeling of markets with intangible non-additive network goods and assets (Georgy Kamenev ↗)**

16:15 – 18:00

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DECEMBER 17

10:00 – 12:00

Sections

- **Computational chemistry (Alexander Novikov ↗)**
- **Population genomics (Vladimir Shchur ↗)**
- **Modeling of credit risks and credit ratings in Russia (Henry Penikas ↗)**
- **Reasoning of economic agents (Denis Fedyanin ↗)**

Roundtables

- **Post-quantum cryptography (Evgenii Krouk ↗)**
- **Combining simulation modeling and machine learning (Andrey Shchiryi)**

14:00 – 16:00

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- **Computational chemistry (Alexander Novikov ↗)**
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- **Reasoning of economic agents (Denis Fedyanin ↗)**
- **Formula of human: design and meta-design of intelligence in science, culture and philosophy (Maxim Miroshnichenko ↗)**

Roundtables

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- **Combining simulation modeling and machine learning (Andrey Shchiryi)**
- **Modern challenges in modeling and usage of credit risk assessments and credit ratings (Henry Penikas ↗)**

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- Formula of human: design and meta-design of intelligence in science, culture and philosophy (Maxim Miroshnichenko ↗)

DECEMBER 18

10:00 – 12:00

Sections

- Multi-agent systems (Petr Skobelev ↗)
- Hydrogen energy technologies (Sergey Aldoshin ↗) – *special section*

Roundtables

- System dynamics and agent-based modeling in interdisciplinary research (Natalya Lychkina ↗)

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LECTURES

ТОП-10 SPEAKERS

DECEMBER 16

11:00 – 12:30 Alexey Fedorov, Head of the Russian Quantum Center

Quantum technologies: small particles for big challenges

12:30 – 14:00 Boris Kagarlitsky, Professor at MSSES (Shaninka)

Russia's prospects – social entropy and systematic reconstruction

14:00 – 15:30 Vladislav Inozemtsev, Director of the Center for Research on Post-Industrial Societies

Topic is to be specified

15:30 – 17:00 Alexey Savvateev, Professor at MIPT

Scenarios of the Russian school education development for years 2022-2035

17:00 – 18:30 Konstantin Vorontsov, RAS Professor

Topic is to be specified

DECEMBER 17

11:00 – 12:30 Andrey Raigorodsky, Director of the Phystech School of Applied Mathematics and Informatics at MIPT

Mathematics and its applications

13:00 – 15:00 Alexander Kostinskiy, Deputy Director of the HSE Tikhonov Moscow Institute of Electronics and Mathematics

Dangers and advantages of computer technologies application in scientific research today and in the future

15:30 – 17:00 Victor Vakhshain, Dean of the Faculty of Social Sciences, MSSES (Shaninka)

Topic is to be specified

17:00 – 18:30 Stanislav Drobyshevskiy, Scientific Editor of the Antropogenez.Ru portal

Technologies and Anthropology

18:30 – 20:00 Kirill Maslennikov, Senior Researcher at the Stellar Physics Department, the Central Astronomical Observatory of the Russian Academy of Sciences at Pulkovo

Topic is to be specified

REACTOR

DECEMBER 16

room R-205

11:00 – 12:00 **Dmitrii Sugrobov**, InnerSource Commons Foundation participant, promoter of the engineering practices, Developer at Leroy Merlin

Serverless computing for solving applied problems

12:10 – 13:10 **Ivan Muratov**, Tech Lead at Waliot

Storage and processing of time series data on car telematics using TimescaleDB distributed cluster over PostgreSQL ORDBMS

13:30 – 15:00 **Alexander Krylov**, Lead DevOps services at Rosgosstrakh (RGS)

Unified approach to project management and CI\CD administration in a large enterprise

15:20 – 16:20 **Oleg Voznesensky**, Senior DevOps engineer at DataArt

What the cloud computing technologies are and how to use them properly

16:30 – 17:30 **Alexey Sharapov**, DevOps Architect at the Center for Research in Perspective Technologies

Using cloud solutions from DevOps approaches

room R-206

11:00 – 12:00 **Sergey Putin**, CIO at Rosvodokanal

Opportunities and limitations of Digitalization in real economy

12:10 – 13:10 **Oleg Filippov**, CTO at WiseAdvice

Getting rid of office routine using robotic process automation

13:30 – 15:00 **Artur Saprykin**, Data scientist freelancer, Lecturer, courses' author, Researcher in the fields of ML и AI

NLP technologies application for extraction of data from the accompanying documentation of government contracts

15:20 – 17:20 **Petr Zaytsev**, specialist in elasticsearch, System Administrator at Odnoklassniki

Log management, example of implementation using elasticsearch

room R-305

11:00 – 13:30 Mikhail Golubev, Sr. Solutions Architect in Amazon Web Services

Building a full-cycle machine learning project using the AWS infrastructure

DECEMBER 17

room R-205

11:00 – 13:00 Alexander Volynsky, Technical Product Manager in VK Cloud Solutions

JupyterHub on Kubernetes. What it is, how to deploy it and use

13:20 – 14:20 Dmitry Soshnikov, Cloud Developer Advocate in Microsoft Russia

Using artificial intelligence and cloud computing for analysis of the corpus of research articles on COVID-19

14:30 – 15:30 Andrey Timoshenko, Security Consulting Senior Manager at Accenture

Managing intelligence: practical aspects of AI security

15:40 – 16:40 Marat Tsikhmistrov, Security Consulting Manager at Accenture

Cyberduplicates in cybersecurity

17:00 – 18:30 Ilya Kaznacheev, Tech Lead Containerum Managed Kubernetes in MTS Cloud

Clouds for scientists: how to use cloud resources in research problems

room R-206

11:00 – 13:00 Yuriy Shutkin, Senior Infrastructure Engineer at Tinkoff

How to deliver secrets from Vault to applications deployed on Cube

13:20 – 14:20 Kirill Ilyin, CISO at SberAuto

Defending Cloud Native applications – from threats to actions

14:30 – 15:30 Sergey Aleshkin, Head of Data Science at SOGAZ

Using AI in the insurance companies' cross sales

15:50 – 17:50 Pavel Kiryukhin, Engineer at the National Research Nuclear University MEPhI

Let us develop a VR game with the Unreal Engine environment in two hours

DECEMBER 18

room R-205

11:00 – 13:00 Kirill Ovchinnikov, Manager of projects with EDGE computer vision at MTS

Group

Running a self-learning algorithm for customers' behavior analytics based on computer vision, iot sbc jetson nano

13:20 – 14:20 Tatyana Zobnina, Leading Expert on machine learning and data analysis at

NAUMEN

AI: at the junction of science and technologies

14:30 – 16:30 Vasiliy Soshnikov, Head of RnD, Quantil inc., Wangsu Science & technology

Something useful as service in IT

16:40 – 17:40 Alexander Shulyak, Senior Site Reliability Engineer at Divido

Using Kubernetes platform for parallel computing applications administration

room R-206

11:00-12:00 Pavel Lakosnikov, TechLead of the SLA\Antimonolith team at Avito

TBD development: what it is and why we need it

12:15-13:15 Ilya Lebedev, CTO at Zipsale

Django: how to develop if you do not have an engineering team

13:30-14:30 Ibragim Badertdinov, Machine Learning engineer in SberDevices

Fast, Cheap, Juicy. How to prepare NLP-based product using open-source and minimal resources

14:50-16:00 Valery Babushkin, Head of Data Science at Blockchain.com

How I Learned to Stop Worrying and Love the Poisson bootstrap

16:20 – 17:40 Free time-slot

MASTER-CLASSES FROM THE FOLLOWING COMPANIES ARE ALSO INCLUDED IN

PROGRAM:

Dmitry Malykhin, EVRAZ

Egor Zadeba, SEC NEVOD, National Research Nuclear University MEPhI

Alexander Tolmachev, Xsolla

Alexey Klimov, SberCloud

Otari Melikishvili, SberCloud

Sergey Aleshkin, SOGAZ

Natalya Balyberdina, Alfa Bank

Leonid Golovanov, MTT

HACKATHON

DECEMBER 16

19:30 – 20:00 Arrival and registration

20:00 – 21:00 Introductory session. Tasks assignment

21:00 – 22:00 Teams formation. Anchoring of mentors to teams

22:00 Start for completing tasks

DECEMBER 17

7:00 – 13:00 Completing tasks

10:00 – 13:00 Mentors on the site

13:00 – 13:30 Intermediate evaluation

13:30 – 17:00 Completing tasks

17:00 – 19:00 Mentors on the site

19:00 – 20:00 Intermediate evaluation

20:00 Completing tasks. Those who wish are allowed to work at night

DECEMBER 18

7:00 – 13:00 Completing tasks

10:00 – 13:00 Mentors on the site

13:00 – 13:30 Intermediate evaluation

13:30 – 17:00 Completion of the tasks. Preparation of presentation projects or prototypes

16:00 – 18:00 Project presentations

18:00 – 19:30 Expertise on projects

19:30 – 20:00 Results announcement. Awarding of the winners

Best regards,

Co-Chair of the Organizing Committee
Dr. Sc., Director HSE Tikhonov Moscow Institute of
Electronics and Mathematics (MIEM HSE)

Evgenii Krouk

Co-Chair of the Organizing Committee
CEO ANNA Systems

Tim Kham

Co-Chair of the Program Committee
Professor University of Nova Gorica

Sasha Shapoval

*For all additional questions of interest to you, please contact the office of the organizers
info@fit-m.org*