

## Advanced Intelligent Technologies: Finances, Healthcare, Communications

December 18 – 20, 2017

[dss.fintech.ifmo.ru](http://dss.fintech.ifmo.ru)

14 Birzhevaya Liniya, room 301/5  
ITMO University,  
Saint Petersburg, Russia

### Monday, December 18

10:00 – 11:00	<b>Registration</b> , room 301/5, 3 <sup>rd</sup> floor
10:45 – 11:00	Coffee Break
11:00 – 11:40	<b>Opening of the School</b> <b>Welcome Address:</b> <a href="#">Alexander Boukhanovsky</a> (ITMO University, Russia)
12:00 – 13:00	<b>Lectures: Finance</b>
12:00 – 13:00	<a href="#">Janusz Holyst</a> (Warsaw University of Technology, Poland) and <a href="#">Maxim Buzdalov</a> (ITMO University, Russia) How to Write a Really Good Evolutionary Algorithm
13:00 – 14:00	Coffee Break
14:00 – 17:00	<b>Lectures: Healthcare</b>
14:00 – 15:00	<a href="#">Alfons Hoekstra</a> (UvA, The Netherlands) Existing computational solutions in the market & scientific approaches to analysis of processes in Healthcare
15:00 – 16:00	<a href="#">Alex Yakovlev</a> (Almazov National Medical Research Centre, Russia) Informatization as universal trend of contemporary medicine
16:00 – 16:15	Coffee Break
16:15 – 17:15	<b>Lectures: Healthcare</b>
16:15 – 17:15	<a href="#">Sergey Kovalchuk</a> (ITMO University, Russia) Predictive modeling in medicine and healthcare: from big data to intelligent modeling
17:30 – 18:00	Tour to <a href="#">FabLab</a> of ITMO University Technopark *

This event is held with financial support of the Russian Science Foundation within the project 'Intellectual technologies of big data for decision-making support in the financial field based on predictive modeling' (№ 17-71-30029)

## Tuesday, December 19

<b>10:45 – 11:00</b>	Coffee Break
<b>11:00 – 13:00</b>	<b>Lectures: Finance</b>
11:00 – 12:00	<a href="#">Yuriy Shpolyansky</a> (ITIVITI, Russia) Theoretical pricing of financial instruments in an algorithmic trading system
<b>12:00 – 13:00</b>	<b>Group Work</b>
12:00 – 13:00	Applying for the grant: Proposal Design Exercise
<b>13:00 – 14:00</b>	Coffee Break
14:00 – 15:00	<a href="#">Peter Sloot</a> (UvA, The Netherlands) Early-warning signals of the recent credit crisis in financial time series
15:00 – 16:00	<a href="#">Maria Sigova</a> and <a href="#">Leonid Gorokhovatsky</a> (International Banking Institute, Russia)
<b>16:00 – 16:15</b>	Coffee Break
<b>16:15 – 18:00</b>	<b>Group Work</b>
16:15 – 17:00	Applying for the grant: Proposal Design Exercise
17:00 – 18:00	Working in Teams

## Wednesday, December 20

<b>9:45 – 10:00</b>	Coffee Break
<b>10:00 – 13:00</b>	<b>Lectures: Communications</b>
10:00 – 11:00	<a href="#">Claudia Bochenina</a> (ITMO University, Russia) High Performance Simulation of Processes in Large Social Networks
11:00 – 12:00	<a href="#">Nikolay Butakov</a> (ITMO University, Russia) Towards an intelligent platform for multiscale computing on large infrastructures
12:20 – 13:00	<a href="#">Michael Lees</a> (UvA, The Netherlands) Decision Support through behavioral agent-based models. The Regis System for DSS
<b>13:00 – 14:00</b>	Coffee Break
<b>14:00 – 16:00</b>	<b>Lectures: Communications</b>
14:00 – 15:00	<a href="#">Andrey Filchenkov</a> (ITMO University, Russia) Social data analysis: predicting, searching and making recommendation
15:00 – 16:00	<a href="#">Danil Kabanov</a> (SberTech, Russia)
<b>16:00 – 16:15</b>	Coffee Break
<b>16:15 – 16:30</b>	<b>Closing Remarks</b>

\* To register for the tour, please ask at the registration desk.

All lectures are in room 305/1 unless indicated otherwise.

14 Birzhevaya Liniya, Saint-Petersburg, Russia, 199034

ITMO FinTech Tel. +7 (921) 631-3898 fintech@corp.ifmo.ru