

## Отчет

### о работе Национального Общества Имитационного Моделирования по организации и проведению международного симпозиума

#### [2013 IFAC Conference on Manufacturing Modelling, Management, and Control](#)

June 19-21, 2013, Saint Petersburg State University and Saint Petersburg ITMO University, Saint Petersburg, Russia

Наше общество организовало секцию «Computer Modeling and Simulation of Complex Technical and Manufacturing Systems», предоставив возможность членам общества рассказать о своих достижениях на симпозиуме.

Было прислано 20 докладов, из которых 15 (один стендовый) было отобрано международной экспертной комиссией. Забракованные доклады были написаны либо на плохом английском, либо небрежно, в надежде, что и так сойдет.

Из 15 докладов 4 «не доехали» до конференции, что недопустимо по двум причинам – потому, что этого не должно быть никогда, и потому, что это плохая характеристика нашего общества.

Трое членов нашего общества вошли в международный комитет:

#### Members of International Program Committee MIM '2013

**Chair:**

[Alexandre Dolgui](#)

*Ecole des Mines de Saint-Etienne, France*

**Vice-Chair:**

[Agostino Villa](#)

*Politecnico di Torino, Italy*

**Vice-Chair from Industry:** [Oleg Gusikhin](#)

*Ford Research & Advanced Engineering, USA*

[Boris V. Sokolov](#)

*St. Petersburg Institute for Informatics and Automation of RAS,  
Russia*

[Rafael M. Yusupov](#)

*St. Petersburg Institute for Informatics and Automation of RAS,  
Russia*

[Yuri B. Senichenkov](#)

*National Research University "St. Petersburg State Polytechnical  
University", Russia*

Двое было сопредседателями национального комитета.

**NOC Chair: Natalia Bakhtadze (RU)**  
**NOC Vice-Chair from Industry: Victor Dozortsev (RU)**

### Members of National Organizing Committee (NOC)

K.R. Chernyshov (NOC Vice-Chair), **Y.B. Senichenkov (NOC Vice-Chair)**, **B.V. Sokolov (NOC Vice-Chair)**, A.V. Akhmetzyanov, N.I. Aristova, Z.K. Avdeeva, V.M. Babikov, A.A. Baybulatov, M.A. Belobritskaya, A.A. Bobtsov, A.L. Bunich, V.M. Chadeev, A.V. Dobrovidov, A.L. Genkin, I.L. Itskovich, E.Ph. Jharko, S.A. Kochetkov, N.A. Korgin, S.V. Kovriga, S.A. Krasnova, V.V. Kulba, N.V. Kuznetsov, A.A. Lazarev, G.A. Leonov, V.A. Lototsky, E.M. Maximov, A.S. Mandel, N.M. Markovich, E.V. Mitrishkin, E.O. Mizyakina, A.V. Nazin, I.V. Nikulina, D.A. Novikov, B.V. Pavlov, A.G. Poletykin, V.G. Promyslov, M.V. Pyatnitskaya, E.A. Sakrutina, V.A. Utkin, S.N. Vassilyev, S.A. Vlasov, I.B. Yadykin

Доклады были сделаны:

А) В секциях

<b>FrA9</b> Invited Session, Aud.32 (ITMO)	Add to My Program <input type="checkbox"/>
<a href="#"><u>Manufacturing Simulation</u></a>	
Chair: <a href="#"><u>Korytkowski, Przemyslaw</u></a>	West Pomeranian Univ. of Tech. in Szczecin
Co-Chair: <a href="#"><u>Abramova, Nina</u></a>	Inst. of Control Sciences of the Russian Acad. of Sciences
<a href="#"><u>Rand Model Designer in Manufacturing Applications (I)</u></a>	
<a href="#"><u>Senichenkov, Yuri Borisovitch</u></a> Saint Petersburg State Polytechnic University	
<a href="#"><u>Kolesov, Yuri Borisovitch</u></a> CP_Center	
<a href="#"><u>Inikhov, Dmitry Borisovitch</u></a> MvSoft	

<b>FrC2</b> Invited Session, Oak Hall (ITMO)	Add to My Program <input type="checkbox"/>
<a href="#"><u>Supply Network Optimization and Control - 2</u></a>	
Chair: <a href="#"><u>Sokolov, Boris</u></a>	SPIIRAS
Co-Chair: <a href="#"><u>Huang, George Q.</u></a>	The Univ. of Hong Kong
16:00-16:20, Paper FrC2.1	Add to My Program <input type="checkbox"/>
<a href="#"><u>Structure Dynamics Control-Based Integration of Aggregate Distribution and Dynamic Transportation Planning (I)</u></a>	
<a href="#"><u>Ivanov, Dmitry</u></a>	Berlin School of Ec. and Law
<a href="#"><u>Sokolov, Boris</u></a>	SPIIRAS
<a href="#"><u>Hartl, Richard F.</u></a>	Univ. of Vienna
<a href="#"><u>Pavlov, Alexander</u></a>	SPIIRAS

16:20-16:40, Paper FrC2.2	Add to My Program <input type="checkbox"/>
<a href="#"><u>Application of Control Theoretic Tools to Supply Chain Disruptions Management (I)</u></a>	
<a href="#"><u>Ivanov, Dmitry</u></a>	Berlin School of Ec. and Law
<a href="#"><u>Sokolov, Boris</u></a>	SPIIRAS
<a href="#"><u>Dolgui, Alexandre</u></a>	Ec. Nationale Supérieure des Mines de Saint-Etienne
<a href="#"><u>Solovyeva, Inna</u></a>	St. Petersburg State Univ.

Б) Наша секция была представлена следующими докладами.

<b>ThB9</b> Invited Session, Aud.32 (ITMO)	Add to My Program
<a href="#"><u>Computer Modeling and Simulation of Complex Technical and Manufacturing Systems - 1</u></a>	
Chair: <a href="#"><u>Senichenkov, Yuri Borisovitch</u></a>	Saint Petersburg State Pol. Univ.
Co-Chair: <a href="#"><u>Korytkowski, Przemyslaw</u></a>	West Pomeranian Univ. of Tech. in Szczecin
13:20-13:40, Paper ThB9.1	Add to My Program
<a href="#"><u>Management Risks Integrated Modelling with Regards to Complex Organizational and Technical Systems (I)</u></a>	
<a href="#"><u>Sokolov, Boris</u></a>	SPIIRAS
<a href="#"><u>Yusupov, Rafael Midhatovich</u></a>	Inst. of the Russian Acad. of Sciences St.PetersburgInst
<a href="#"><u>Merkuryev, Yuri</u></a>	Riga Tech. Univ.
<a href="#"><u>Potryasaev, Semyon</u></a>	St.Petersburg Inst. for Informatics and Automation of the Ru
13:40-14:00, Paper ThB9.2	Add to My Program
<a href="#"><u>Cloud Technology in Simulation Studies: GPSS Cloud Project (I)</u></a>	
<a href="#"><u>Vlasov, Stanislav</u></a>	Russian Acad. of Sciences
<a href="#"><u>Deviatkov, Vladimir</u></a>	Elina-Computers Ltd.
<a href="#"><u>Devyatkov, Timur</u></a>	Elina - Computer, Ltd
14:00-14:20, Paper ThB9.3	Add to My Program
<a href="#"><u>Dynamic Business Process Management Based on the Combined Control and Data Networks (I)</u></a>	
<a href="#"><u>Yatsutko, Aleksandra</u></a>	Inst. of Control

	Sciences
<a href="#">Vykhovanets, Valeriy</a>	Institute of Control Science
14:20-14:40, Paper ThB9.4	Add to My Program
<a href="#"><i>Application of Decision Support System BPsim.DSS to Logistical Processes of Fuel Transportation Company (I)</i></a>	
<a href="#">Aksyonov, Konstantin</a>	Ural Federal Univ. named after the first President of Russia
<a href="#">Bykov, Eugene</a>	Ural Federal Univ.
<a href="#">Smoliy, Elena</a>	Ural Federal Univ.
<a href="#">Aksyonova, Olga</a>	Ural Federal Univ.
<a href="#">Nevolina, Alena</a>	Ural Federal Univ.
14:40-15:00, Paper ThB9.5	Add to My Program
<a href="#"><i>A System for Computer Simulation of Technological Processes (I)</i></a>	
<a href="#">Rudometov, Sergey</a>	Design Tech. Inst. of Digital Tech. of Siberian
<a href="#">Okolnishnikov, Victor</a>	Design Tech. Inst. of Digital Tech. of Siberian
15:00-15:20, Paper ThB9.6	Add to My Program
<a href="#"><i>Planning and Bottleneck Analysis of Construction Enterprise Project Portfolio (I)</i></a>	
<a href="#">Aksyonov, Konstantin</a>	Ural Federal Univ. named after the first President of Russia
<a href="#">Bykov, Eugene</a>	Ural Federal Univ.
<a href="#">Smoliy, Elena</a>	Ural Federal Univ.
<a href="#">Aksyonova, Olga</a>	Ural Federal Univ.
<a href="#">Wang, Kai</a>	Ural Federal Univ.

<b>FrC9 Invited Session, Aud.32 (ITMO)</b>	Add to My Program
<a href="#"><b>Computer Modeling and Simulation of Complex Technical and Manufacturing Systems - 2</b></a>	
Chair: <a href="#">Senichenkov, Yuri Borisovitch</a>	Saint Petersburg State Pol. Univ.
Co-Chair: <a href="#">Awasthi, Anjali</a>	Concordia Univ.

16:00-16:20, Paper FrC9.1	Add to My Program
<a href="#"><u>Software Support for Intellectual Control of Anthropogenic Objects Technical Condition (I)</u></a>	
<a href="#"><u>Vladova, Alla</u></a>	Orenburg State Univ.
16:20-16:40, Paper FrC9.2	Add to My Program
<a href="#"><u>Simulation of Technological Processes in Coal Mining (I)</u></a>	
<a href="#"><u>Okolnishnikov, Victor</u></a>	Design Tech. Inst. of Digital Tech. of Siberian
<a href="#"><u>Rudometov, Sergey</u></a>	Design Tech. Inst. of Digital Tech. of Siberian
<a href="#"><u>Zhuravlev, Sergey</u></a>	Design Tech. Inst. of Digital Tech. of Siberian
16:40-17:00, Paper FrC9.3	Add to My Program
<a href="#"><u>Event-Driven Simulation of Control Systems with Variable Parameters (I)</u></a>	
<a href="#"><u>Denisova, Ludmila</u></a>	Omsk State Tech. Univ.
17:00-17:20, Paper FrC9.4	Add to My Program
<a href="#"><u>Visual Modeling of Dynamical Systems by Instrumental Facilities (I)</u></a>	
<a href="#"><u>Shornikov, Yury</u></a>	NSTU
<a href="#"><u>Novikov, Evgeny</u></a>	ICM SB RAS
<a href="#"><u>Dostovalov, Dmitry</u></a>	NSTU
<a href="#"><u>Myssak, Maria</u></a>	NSTU
17:20-17:40, Paper FrC9.5	Add to My Program
<a href="#"><u>Using OpenMVLSHELL in Research and Education (I)</u></a>	
<a href="#"><u>Isakov, Andrey</u></a>	St. Petersburg Pol. State Univ.
17:40-18:00, Paper FrC9.6	Add to My Program
<a href="#"><u>Component Modelling of Ship Systems in TRANSAS Liquid Cargo Handling Simulators (I)</u></a>	
<a href="#"><u>Tarasov, Sergey</u></a>	TRANSAS Tech.
<a href="#"><u>Lebedev, Dmitriy</u></a>	TRANSAS Tech.
<a href="#"><u>Nikolaev, Ilya</u></a>	TRANSAS Tech.

18:00-18:20, Paper FrC9.7	Add to My Program
<a href="#"><i>Adaptive and Predictive Control Architecture of Inland Navigation Networks in a Global Change Context: Application to the Cuinchy-Fontinettes Reach (I)</i></a>	
<a href="#">Duviella, Eric</a>	Ec. des Mines de Douai
<a href="#">Rajaoarisoa, Lala</a>	Res. Inst. on Embedded System
<a href="#">Blesa, Joaquim</a>	Univ. Pol. de Catalunya (UPC)
<a href="#">Chuquet, Karine</a>	VNF

Отчет составил

Сениченков Ю.Б.