

# 23rd International Conference on Distributed Computer and Communication Networks (DCCN 2020) – AGENDA

## September 14 (Monday) – September 18 (Friday), 2020

### Organizers

V.A. Trapeznikov Institute of Control Sciences of RAS (ICS RAS, Russia, Moscow)

Peoples' Friendship University of Russia (RUDN University), Moscow, Russia

### Venues

September 14 (Monday), 2020 at ICS RAS

65 Profsoyuznaya street, Moscow 117997, Russia

September 15 (Tuesday) – September 17 (Friday), 2020 at RUDN

Faculty of Science, Ordzhonikidze str. 3, 115419 Moscow, Russia

### Tracks

Track A. Computer and Communication Networks: Architecture, Protocols and Technologies. Chair: Vladimir Vishnevsky. Co-chair: Dmitry Kozyrev.

Track B. Modeling of Distributed Systems and Networks. Chair: Konstantin Samouylov. Co-chair: Irina Kochetkova.

Track C. Distributed Systems Applications. Chair: Andrey Koucheryavy. Co-chair: Daria Ostrikova.

Monday, September 14, 2020	TIME (Moscow time)	ICS RAS	ICS RAS
	12:30–18:30	Conference Opening Chairman: <i>Vladimir Vishnevsky</i> , ICS RAS	
	12:30–13:00	Welcome Speech: <i>Dmitry Novikov</i> , Director, ICS RAS Welcome Speech: <i>Konstantin Samouylov</i> , Director, AMCT Institute, RUDN	
	13:00–14:00	Crystal-Ball and Magic Wand Combined: Predicting Situations and Making them Happen <i>Arkady Zaslavsky</i> , Deakin University, Australia	
	14:00–15:00	Beyond 5G: use-cases, applications and design specifics of terahertz band communications <i>Dmitri Moltchanov</i> , Tampere University, Finland	
	15:00–16:00	Investigation of Interdependent Process — a Semi-Markov Approach <i>Achyutha Krishnamoorthy</i> , Centre for Research in Mathematics, CMS College, Kottayam, India	
	16:00–16:30	Break	
	16:30–17:30	RAIN RFID Technology: Past, Present and Future <i>Pavel Nikitin</i> , Impinj, Seattle, WA, USA	
	17:30–18:30	Queues and their applications in service industries <i>Srinivas R. Chakravarthy</i> , Kettering University, USA	

Tuesday, September 15, 2020		RUDN			RUDN
		<b>A.1.1. Computer and Communication Networks: Architecture, Protocols and Technologies</b> <i>Chairs: Prof. K.Samouylov, Prof. Yu. Gaidamaka</i>	<b>B.1.1. Modeling of Distributed Systems and Networks</b> <i>Chairs: Prof. A.Krishnamoorthy, Prof. Varghese C. Joshua</i>	<b>C.1.1. Distributed Systems Applications</b> <i>Chairs: Prof. A.Koucheryavy, Dr. I.Kochetkova</i>	
	11:00–11:15	<b>Malcolm Egan, Laurent Clavier</b> Multivariate $\alpha$ -Stable Models in OFDM-Based IoT Networks with Interference From a Poisson Spatial Field of Interferers (ID 137)	<b>Dhanya Babu, Varghese C. Joshua, Achyutha Krishnamoorthy</b> Token Based Parallel Processing Retrieval Queueing System with a Probabilistic Joining Strategy for Priority Customers (ID 102)	<b>Adam Vas, László Tóth</b> Comparison of different methods for smoothing initial 2D data of the DSN-PC system's weather prediction algorithm (ID 74)	
	11:15–11:30	<b>Angesom Atakltiy Tesfay, Eric Simon, Laurent Clavier</b> Multi-user Detection to Improve Downlink Communication of CSS-based LoRa-like Networks (ID 163)	<b>Khamis Abdullah Khamis AL Maqbali, Varghese C. Joshua, Achyutha Krishnamoorthy</b> On A Single Server Queueing Inventory System (ID 140)	<b>Artem Volkov, Ali R. Abdellah, Ammar Muthanna, Andrey Koucheryavy</b> IoT traffic prediction with Neural networks learning based on SDN infrastructure (ID 55)	
	11:30–11:45	<b>Aminu Adamu, Vsevolod Shorgin, Yuliya Gaidamaka</b> Flexible Random Early Detection Algorithm for Queue Management in Routers (ID 148)	<b>Nisha Mathew, Varghese C. Joshua, Achyutha Krishnamoorthy</b> A Queueing Inventory System with Two Channels of Service (ID 164)	<b>Maria Makolkina, Nikolay Shypota, Andrey Koucheryavy</b> Development and investigation of the IMT-2020 model network using MEC and Voice Assistant technologies (ID 177)	
	11:45–12:00	<b>Nadezhda Chukhno, Olga Chukhno, Giuseppe Araniti, Antonio Iera, Antonella Molinaro, Sara Pizzi</b> Delivering Multicast Traffic in mmWave Systems: Challenges and Performance Analysis (ID 151)	<b>Sinu Lal T S, Varghese C. Joshua, Achyutha Krishnamoorthy</b> A disease outbreak managing queueing system with self-generation of status and random clock for quarantine time (ID 171)	<b>Alexey Tsarev, Pavel Abaev</b> Mathematical model for horizontal on-demand vEPC scalability in SDN-based environment (ID 156)	
	12:00–12:15	<b>Abdukodir Khakimov, Konstantin Samouylov, Ammar Muthanna</b> Dynamic Algorithm for Building Future Networks Based on Intelligent Core Network (ID 108)	<b>Varghese C. Joshua, Ambily P. Mathew, Achyutha Krishnamoorthy</b> A Retrieval Queueing System in which Server Searches to Accumulate Customers for Optimal Bulk Serving (ID 98)	<b>Vitaly Morozov, Konstantin Alikin</b> Scaling error suppression in small signal preamplifiers for vibration monitoring networks (ID 72)	
	12:15–12:30	<b>Vitalii Beschastnyi, Daria Ostrikova, Yuliya Gaidamaka</b> Modelling Multi-connectivity in 5G NR Systems with Mixed Unicast and Multicast Traffic (ID 53)	<b>Anilkumar M P, Jose K. P.</b> Comparison of Different Levels of Local Purchase Quantities in a Geo/Geo/1 Production Inventory System (ID 152)	<b>Alexey Vanin, Vladimir Bogatyrev, Stanislav Bogatyrev</b> Data migration rate of the CRUSH-based distributed object storage with dynamic topology (ID 73)	
	12:30–12:45	<b>Amir Mukhtarov, Andrey Larionov, Oleg Pershin, Vladimir Vishnevsky</b> On optimal placement of base stations in wireless broadband networks to control a linear section with end-to-end delay limited (ID 32)	<b>Miyawathura Ihala Gamage Suranga Sampath</b> Transient analysis of an M/M/1/N queue with balking, catastrophes, server failures and repairs (ID 113)	<b>Anton Mamonov, Soltan Salpagarov, Ruslan Varlamov</b> Distribution of Computing Load by using a P2P Network (ID 86)	
	12:45–13:00	<b>Semyon Dorokhin</b> Synchronisation of ISS-OFDM signals (ID 95)	<b>Ksenia Zhukova</b> Estimating the overflow probability in single-server retrieval system with two classes of customers (ID 159)		
	13:00–13:30	Break			
		<b>A.1.2. Computer and Communication Networks: Architecture, Protocols and Technologies</b> <i>Chairs: Prof. K.Samouylov, Dr. E.Sopin</i>	<b>B.1.2. Modeling of Distributed Systems and Networks</b> <i>Chairs: Prof. A.Dudin, Dr. O.Semenova</i>	<b>C.1.2. Distributed Systems Applications</b> <i>Chairs: Prof. R.Kirichek, Dr. D.Ostrikova</i>	
Tuesday, September 15, 2020	13:30–13:45	<b>Eduard Sopin, Alexandra Darmolad, Dinara Bixalina</b> Quantifying the round-trip delay in Cloud-RAN (ID 59)	<b>Alexander Dudin, Sergei Dudin, Olga Dudina</b> Optimization of a signal processing strategy in sensor nodes with energy harvesting and consumption for admission and transmission (ID 20)	<b>Ekaterina Markova, Dmitri Moltchanov, Rustam Pirmagomedov, Daria Ivanova, Yevgeni Koucheryavy, Konstantin Samouylov</b> Prioritized Service of URLLC Traffic in Industrial Deployments of 5G NR Systems (ID 91)	

Tuesday, September 15, 2020	13:45–14:00	<b>Pavel Pristupa</b> Forward error correction efficiency in transport protocol at intrasegment level (ID 49)	<b>Valentina Klimenok, Alexander Dudin, Vladimir Vishnevsky</b> Unreliable queueing system with Markovian arrival process and backup server as a model of hybrid communication system (ID 141)	<b>Eduard Sopin, Vyacheslav Begishev, Dmitri Moltchanov, Andrew Samuylov</b> Resource Queueing System with Preemptive Priority for URLLC and eMBB Coexistence in 5G NR (ID 61)	RUDN
	14:00–14:15	<b>Viacheslav Kulik, Van Dai Pham, Ruslan Kirichek</b> Models and methods of usage of the heterogeneous gateways in the mesh LPWAN networks (ID 116)	<b>Valentina Klimenok, Alexander Dudin, Vladimir Vishnevsky</b> Система массового обслуживания ММАР/PH_{1,2}/N/0 с неоднородными запросами и приоритетами (ID 64)	<b>Dmitriy Sazonov, Ruslan Kirichek</b> Identification of devices in a mesh networks based on Digital Object Architecture (ID 87)	
	14:15–14:30	<b>Lev Kuzmin</b> Approach to indoor distance measurement in wireless sensor networks by means of Ultra-Wide-Band chaotic radio pulses (ID 97)	<b>Gheorghe Mishkoy, Lilia Mitev</b> Computational Aspects of Modeling Performance Characteristics for Polling Models with Semi-Markov Switching and Priorities (ID 71)	<b>Yury Rassadin, Sergey Dushin</b> Wireless Sensor Network for Intensive Data Collection Based on LoRaWAN Technology and Distributed Data Compression Algorithm (ID 284)	
	14:30–14:45	<b>Ilya Nikolsky, Kirill Furmanov</b> On effectiveness of message retransmission in wireless sensor networks (ID 96)	<b>Ivan Tsitovich</b> Group Polling Method for Sensors Detecting in Unsynchronized Structured Wireless Monitoring Networks (ID 76)	<b>Natalia Apatova, Oleg Boychenko, Oleg Korolyov, Ilya Gavrikov, Timur Uzakov</b> Sustainability of Cryptotokens in the Digital Economy (ID 47)	
	14:45–15:00	<b>Van Dai Pham, Tran Duc Le, Ruslan Kirichek</b> A study of using AODV protocol in LoRa Mesh network (ID 121)	<b>Stepan Rogozin</b> Simulation a modified Erlang system with priority customers (ID 109)	<b>Van Dai Pham, Ilia Grishin, Ruslan Kirichek</b> Метод определения координат узлов в беспроводной сенсорной сети с ячеистой топологией (ID 119)	
	15:00–15:15	<b>Van Dai Pham, Tran Duc Le, Ruslan Kirichek</b> Исследование протоколов маршрутизации для ячеистой сети дальнего радиуса действия (ID 118)	<b>Rostislav Razumchik</b> Stationary waiting time distribution in the infinite-capacity two-queue single-server resequencing system with HOQ-LIFO-LIFO policy operating in random environment (ID 169)	<b>Dmitry Kochetkov, Irina Kochetkova, Elena Makeeva</b> Влияние технологий 5G на развитие цифровых экосистем умных городов: наукометрический и патентный анализ (ID 174)	
	15:15–15:30	<b>Viacheslav Kulik, Денис Галлямов, Ruslan Kirichek</b> Подходы к определению приоритетов обслуживания сетевого трафика для гетерогенных шлюзов промышленного Интернета вещей (ID 150)	<b>Tatiana Milovanova, Dmitry Kozyrev, Rostislav Razumchik</b> Modeling D2D-enhanced IoT Connectivity (ID 17)	<b>Dmitry Kochetkov, Marat Almaganbetov</b> 5G: патентный ландшафт (ID 183)	
	15:30–16:00	Break			
Tuesday, September 15, 2020		<b>A.1.3. Computer and Communication Networks: Architecture, Protocols and Technologies</b> <i>Chairs: Prof. D.Namiot, Prof. L.Abrasimov</i>	<b>B.1.3. Modeling of Distributed Systems and Networks</b> <i>Chairs: Prof. N.Markovich, Prof. U.Krieger</i>	<b>C.1.3. Distributed Systems Applications</b> <i>Chairs: Prof. R.Kirichek , Dr. M. Makolkina</i>	RUDN
	16:00–16:15	<b>Dmitry Namiot</b> How to build a hyper-local Internet (ID 42)	<b>Natalia Markovich, Udo Krieger</b> Statistical Analysis of the End-to-End Delay of Packet Transfers in a Peer-to-Peer Network (ID 2)	<b>Viktoriia Khalina, Vladislav Prosvirov, Yuliya Gaidamaka, Jiri Pokorny, Jiri Hosek, Konstantin Samouylov</b> Simulation-based Analysis of Mobility Models for Wireless UAV-to-X Networks (ID 143)	
	16:15–16:30	<b>Alexander Paramonov, Tatiana Tatarnikova, Anastasia Marochkina</b> Analysis of the using of D2D communications for the ad hoc network based on subscriber terminals (ID 19)	<b>Natalia Markovich, Maksim Ryzhov</b> Leader Election in Communities for Information Spreading (ID 62)	<b>Vladimir Vishnevsky, Truong Duy Dinh, Anastasia Vybornova, Ruslan Kirichek</b> Flying Network for Emergency using Tethered Multicopters (ID 288)	
	16:30–16:45	<b>Alexander Paramonov, Tatiana Tatarnikova, Regina Shamilova</b> The method for user localization in the local wireless network in an emergency (ID 18)	<b>Alexander Mandel, Viktor Laptin</b> Channel Switching Strategies for multistep Markovian Controllable Queueing Systems Problems (ID 24)	<b>Konstantin Vytovtov, Vladimir Vishnevsky, Elizaveta Barabanova</b> Model of Navigation and Control System of an Airborne Mobile Station (ID 178)	

Tuesday, September 15, 2020	16:45–17:00	<b>Margarita Rudenkova, Hussein Khayou, Leonid Abrosimov</b> Methodology for adapting wireless channel resources to the load by switching between shared media access protocols (ID 85)	<b>Mariia Nosova</b> Research of demographic processes by methods of queuing theory (ID 66)	<b>Sergey Vladimirov, Vladimir Vishnevsky, Andrey Larionov, Ruslan Kirichek</b> Concept of UFP based WBAN Data Acquisition Network (ID 55)	RUDN
	17:00–17:15	<b>Elizaveta Barabanova, Konstantin Vytovtov, Victor Podlazov, Vladimir Vishnevsky</b> High-capacity photon switching systems based on the two-stage 256x256 switch (ID 48)	<b>Vadim Fitsov, Boris Goldstein</b> The mathematical model of Front-End calculating in DPI system (ID 142)	<b>Abdukodir Khakimov, Mohammed Muthanna, Konstantin Samouylov, Ammar Muthanna</b> Agriculture management based on LoRa Edge Computing System (ID 106)	
	17:15–17:30	<b>Hussein Khayou, Margarita Rudenkova, Leonid Abrosimov</b> An Algebraic Approach to Loop Free Routing (ID 139)	<b>Alexey Shagraev, Andrey Efanov, Sergey Ivliev</b> Welford's algorithm for accurate computation of weighted mean, variance, and covariance (ID 157)		
	17:30–17:45	<b>Boris Goldstein, Sergey Kislyakov</b> Forecasting the incoming load of a contact center using chaos theory methods (ID 45)	<b>Lusine Meykhanadzhyan, Tatiana Milovanova, Ivan Zaryadov</b> Stationary Characteristics of the two-node Tandem Queueing System with Poisson Arrivals and General Renovation (ID 100)		
	17:45–18:00	<b>Arsenii Bakanov, Dmitry Volchkov, Nina Bakanova</b> Creation and visualization of the subject area model (ID 13)	<b>Konstantin Vytovtov, Elizaveta Barabanova, Vladimir Vishnevsky, Irina Kvyatkovskaya</b> The Analytical Model of Six-Dimensional Linear Dynamic Systems With Arbitrary Piecewise-Constant Parameters (ID 165)		

Wednesday,  
September 16,  
2020

Wednesday,  
September 16,  
2020

	A.2.1. Computer and Communication Networks: Architecture, Protocols and Technologies <i>Chairs: Prof. V.Gerd, Prof. V.Abgaryan</i>	B.2.1. Modeling of Distributed Systems and Networks <i>Chairs: Prof. A.Melikov, Prof. A.Nazarov</i>	C.2.1. Distributed Systems Applications <i>Chairs: Prof. T.Atanasova, Prof.</i>
11:00–11:15	Vladimir Gerd Milestone Developments in Quantum Information and No-Go Theorems (ID 23)	Srinivas Chakravarthy, Alka Choudhary Queues with Markovian Arrivals, Phase type Services, Breakdowns, and Repairs (ID 50)	Tatiana Atanasova, Kristina Dineva Architectural ML Framework for IoT Services Delivery Based on Microservices (ID 58)
11:15–11:30	Vahagn Abgaryan On overall measure of non-classicality of N-level quantum system and its universality in the large N limit (ID 134)	Agassi Melikov, Mamed Shahmaliyev, Sevinj Aliyeva Approximate Analysis of the Queuing System with Heterogeneous Servers and N-Policy (ID 5)	Tatiana Atanasova, Arsenii Bakanov, Nina Bakanova Applying of Machine Learning on The Data from Structured Database at Research Institute for Decision Making Support (ID 107)
11:30–11:45	Vladimir Gerd, Ekaterina Kotkova On the quantum teleportation of Bell states performed on 5-qubit IBM Q computers (ID 144)	Anatoly Nazarov, Svetlana Rozhkova, Ekaterina Titarenko Asymptotic analysis of M/M/1 RQ-system with feedback and non-ordinary Poisson arrival (ID 93)	Evgeny Mikhailov, Vladimir Vishnevsky Reserve navigation system of tether powered unmanned aerial vehicle in conditions of turbulent atmosphere (ID 136)
11:45–12:00	Dhanesh Garg Exponential Tsallis-Havrda-Charvat Entropy and its Applications in Coding Theory, Industrial Engineering and Quantum Information Theory (ID 63)	Anatoly Nazarov, Tuan Phung-Duc, Svetlana Paul, Olga Lizyura Asymptotic-Diffusion Analysis of Multiserver Retrial Queue with Two-Way Communication (ID 132)	Plamen Petrov, Georgi Kostadinov, Petar Zhivkov, Veneta Velichkova, Todor Balabanov Approximate Sequencing of Virtual Reels with Genetic Algorithms (ID 122)
12:00–12:15	Astghik Torosyan, Vahagn Abgaryan Индикатор Кенфака-Жичковского для пространства состояний кубитов и кутритов (ID 153)	Anatoly Nazarov, Tuan Phung-Duc, Yana Izmailova Gaussian asymptotics for a multiclass M/M/1/1 retrial queueing system (ID 40)	Alexander Alexandrov SARSA based method for WSN transmission power management (ID 90)
12:15–12:30	Martin Bures, Vahagn Abgaryan, Astghik Torosyan О мерах классичности/квантовости квазивероятностных представлений конечнономерных квантовых систем (ID 154)	Elizaveta Chernyshova, Ekaterina Lisovskaya, Svetlana Moiseeva, Michele Pagano On a Total Amount of Occupied Resource in the System with Parallel Service and Renewal Arrival Process (ID 7)	Andrey Ivanov, Natalia Ziazina, Antonova Veronika Performance of MATLAB clustering algorithms (ID 36)
12:30–12:45		Evgeny Polin, Svetlana Moiseeva, Alexander Moiseev Исследование бесконечнолинейной СМО с интенсивностью входящего потока, зависящей от состояния системы (ID 161)	
12:45–13:00		Svetlana Paul, Anatoly Nazarov, Polina Klyuchnikova Исследование циклической системы с повторными вызовами (ID 138)	
13:00–13:30	Break		
		B.2.2. Modeling of Distributed Systems and Networks <i>Chairs: Prof. M.Pagano, Prof. E.Morozov</i>	C.2.2. Distributed Systems Applications <i>Chairs: Prof. E.Shchetinin, Prof. D.Kulyabov</i>
13:30–13:45		Anastasia Galileyskaya, Ekaterina Lisovskaya, Michele Pagano, Svetlana Moiseeva Resource QS with the Requests Duplication at the Second Phase and Renewal Arrival Process (ID 8)	Eugene Yu. Shchetinin, Leonid Sevastianov, Anastasia Demidova, Edik Ayrjan Melanoma detection with deep neural networks (ID 10)
13:45–14:00		Michele Pagano, Oleg Lukashenko, Evsey Morozov Rare-event simulation for the hitting time of Gaussian processes (ID 158)	Eugene Yu. Shchetinin, Leonid Sevastianov, Dmitry Kulyabov, Edik Ayrjan, Anastasia Demidova Paralinguistic model for emotions recognition with deep neural networks (ID 11)
14:00–14:15		Taisia Morozova, Evsey Morozov Analysis of the remaining busy time in a retrial system (ID 128)	Eugene Yu. Shchetinin, Leonid Sevastianov, Dmitry Kulyabov, Edik Ayrjan On improving the accuracy of the classification on imbalanced classes with machine learning (ID 26)

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	14:15–14:30	<b>Irina Peshkova, Evsey Morozov</b> On Comparison of Multiserver Systems with Two-component Mixture Distributions (ID 99)	<b>Sergey Melnikov, Konstantin Samouylov</b> Cesaro-heredity property in the shift register family (ID 250)	RUDN	
	14:30–14:45	<b>Oleg Brekhov</b> Integrated tolerant distributed computing network (ID 82)	<b>Ali R. Abdelhadi, Artem Volkov, Ammar Muthanna, Andrey Koucheryavv</b> Deep Learning for IoT Traffic Prediction based on Edge Computing (ID 54)		
	14:45–15:00	<b>Ruslana Nekrasova</b> Regenerative estimation of M/G/2-type system with simultaneous service and speed scaling (ID 78)	<b>Mikhail Dyachkov</b> Modifications of classic GMDH algorithm and proof of correctness modified algorithm (ID 30)		
	15:00–15:15	<b>Elmira Yu. Kalimulina</b> On ergodicity of some stochastic networks and its applications (ID 57)	<b>Ivan Brokarev, Sergey Vaskovskii</b> Information-processing system for natural gas quality analysis (ID 22)		
	15:15–15:30	<b>Galina Zverkina</b> Ergodicity of generalized Markov modulated Poisson processes (ID 124)	<b>Vladimir Vorobiev</b> Нейронная сеть мониторинга взрывов в карьерах (ID 79)		
	15:30–16:00	Break			
			<b>B.2.3. Modeling of Distributed Systems and Networks</b> <i>Chairs: Prof. D.Efrosinin, Dr. S.Vasilyev</i>		<b>C.2.3. Distributed Systems Applications</b> <i>Chairs: Prof. , Prof.</i>
	16:00–16:15	<b>Alexandra Borodina, Vitaliy Tishenko</b> On algorithms for effective speed-up simulation of reliability models (ID 114)	<b>Saulius Japertas, Ruta Jankuniene</b> NFC Vulnerabilities Investigation (ID 147)		
	16:15–16:30	<b>Dmitry Efrosinin, Vladimir Rykov, Natalia Stepanova</b> Evaluation and prediction of an optimal control in a processor sharing queueing system with heterogeneous servers (ID 3)	<b>Oleg Boychenko, Ilya Gavrikov</b> Assessing Password Protection Effectiveness Using Markov Processes (ID 27)		
	16:30–16:45	<b>Evgeny Golovinov, Dmitrii Aminev, Sergey Tatunov, Sergey Polesskiy, Dmitry Kozyrev</b> Оценка комплектов ЗИП для распределённой коммуникационной сети метеостанций минимальной конфигурации (ID 245)	<b>Evgenia Anikina, Andrey Kalashnikov</b> Management of risks for complex computer network (ID 37)		
	16:45–17:00	<b>Sergey Shorokhov</b> On wireless channel modeling with K distribution (ID 167)	<b>Anatoly Yermakov</b> The Markov Model for a Multiphase Security System with the Partial Concurrent Service (ID 190)		
	17:00–17:15	<b>Anna Korolkova, Dmitry Kulyabov, Michal Hnatič</b> The multi-model approach to the study of complex systems using the example of the RED active queue management algorithm (ID 104)	<b>Alexander Grusho, Nick Grusho, Elena Timonina, Michael Zabezhalo</b> Generation of metadata for information technology control (ID 28)		
	17:15–17:30	<b>Anna Korolkova, Anna Maria Apreutesey, Dmitry Kulyabov</b> Возможности гибридного моделирования систем с управлением на языках Modelica и Julia (ID 111)	<b>Viktor Nikolaevtsev, Sergei Suchkov, Dmitry Suchkov</b> Method of Frequency Coding in Microwave RFID (ID 92)		
	17:30–17:45	<b>Sergey Vasilyev, Mohamed Adel Bouatta, Galina Tsareva, Shakhmurad Kanzitdinov</b> Dobrushin mean-field approach for time-scaling queueing systems with a small parameter (ID 185)			
	17:45–18:00	<b>Sergey Vasilyev, Mohamed Adel Bouatta, Shakhmurad Kanzitdinov</b> Solving optimal control problems of large-scale queueing systems with a small parameter (ID 186)			

Thursday, September 17, 2020		<b>A.3.1. Computer and Communication Networks: Architecture, Protocols and Technologies</b> <i>Chairs: Prof. S.Stepanov, Prof.</i>	<b>B.3.1. Modeling of Distributed Systems and Networks</b> <i>Chairs: Prof. A.Andronov, Prof. V.Rykov</i>		RUDN
	11:00–11:15	<b>Sergey Stepanov, Mikhail Stepanov, Umer Andrabi, Juvent Ndayikunda</b> The Modeling of Resource Sharing for Heterogenous Data Streams over 3GPP LTE with NB-IoT Functionality (ID 34)	<b>Alexander Andronov, Diana Santalova</b> Overbooking's problem for a case of a random environment existence (ID 15)		
	11:15–11:30	<b>Sergey Stepanov, Mikhail Stepanov, Maxim Shishkin</b> Estimation of Performance Measures of Emergency Services for Overload of Calls (ID 35)	<b>Tóth Ádám</b> Reliability Analysis of Finite-Source Retrial Queueing Systems With Two-Way Communications to the Orbit and Blocking Using Simulation (ID 67)		
	11:30–11:45	<b>Ilya Noskov, Vladimir Bogatyrev</b> Faultless and timely multipath packets delivery probability in computer networks using UDP-based protocol (ID 14)	<b>Vladimir Rykov, Sahib Esa, Boyan Dimitrov</b> On different approaches to study a double redundant renewable system under Marshall-Olkin failure model (ID 123)		
	11:45–12:00	<b>Vladimir Bogatyrev, Stanislav Bogatyrev, Anatoly Bogatyrev</b> Timeliness of Redundant Service of a Heterogeneous Request Flow by a Sequence of Nodes of the Info-communication System (ID 70)	<b>Vladimir Rykov, Nika Ivanova, Dmitry Kozyrev</b> Sensitivity Analysis of Characteristics of a k-out-of-n:F System to Shapes of Life and Repair Times Distributions of Its Components (ID 68)		
	12:00–12:15	<b>Vladimir Shirokov</b> The concept, models and methods of accelerating transformation of 4G networks into 5G ecosystem (ID 182)	<b>Nika Ivanova</b> Modeling and Simulation of Reliability Function of a k-out-of-n:F System with Partial Repair (ID 33)		
	12:15–12:30	<b>Anatoliy Botvinko, Konstantin Samouylov</b> Imitational modelling of packets filtering process by a firewall with ranking rules (ID 110)	<b>Hector Gibson Kinmanhon Houankpo, Dmitry Kozyrev, Emmanuel NIBASUMBA, Bienvenue N'dah Mouale Moutouama, Irina Artemovna Sergeeva</b> A simulation approach to reliability assessment of a redundant system with arbitrary distributions of uptime and repair time of its elements (ID 12)		
	12:30–12:45	<b>Alexey Simonov, Oleg Brekhov</b> Architecture and functionality of the collective operations subnet of the Angara interconnect (ID 155)	<b>Vladimir Rykov, Vladimir Vishnevsky, Maxim Finkelstein</b> Профилактическое обслуживание привязного модуля высотной телекоммуникационной платформы (ID 187)		
	12:45–13:00	<b>Alexandra Kuznetsova, Antonova Veronika</b> Изучение сбоев при работе технологии MIMO (ID 21)	<b>Aleksandr Moshnikov</b> Evaluation of Network Reliability and Element Importance Metrics Using the R Software Package (ID 89)		
	13:00–13:30	Break			
		<b>Sergey Yablochnikov, Valentina Dzobelova, Irina Yablochnikova, Михаил Купцов, Vadym Shved</b> To the question of mathematical modeling of processes of optimization of Internet business (ID 179)			

Friday, September 18, 2020	Room 214		RUDN
	11:00–12:00	<b>Round Table: On applications of the distributed systems (Круглый стол по вопросам приложений распределённых систем)</b>  <i>Chairs: Prof. Vladimir Vishnevsky, Prof. Konstantin Samouylov</i>	
	12:00–12:15	Conference Closing	