

Tuesday,
September 24, 2024

RUDN University
3 Ordzhonikidze str., 115419 Moscow

Track B: Modeling of Distributed Systems and Networks

Track A: Computer and Communication Networks: Architecture,
Protocols and Technologies

Rooms

Room 219

Room 208

10:00–12:30

Registration
(Room 220)

11:00–11:15

Natalia Markovich, Maksim Ryzhov

Modeling Distributions of Node Characteristics in Directed Graphs Evolving by Preferential Attachment (ID 2351)

Ali R. Abdellah, Ahmed Abdelmoaty, Malik Alsweity, Ammar Muthanna, Andrey Koucheryavy

Deep learning for autonomous vehicle traffic predictions in a multi-cloud vehicular network environment (ID 3105)

11:15–11:30

Irina Peshkova, Evsey Morozov, Michele Pagano

Approximation of Queueing Systems with Superposed Weibull Inputs (ID 2524)

Maria Sharlaeva, Maria Makolkina, Abbas Alzaghir, Artem Volkov

Clustering Algorithm for ultra Reliable and Low Latency Communications Based on Population Density (ID 3103)

11:30–11:45

Viktor Laptin

Controlled Markov Queueing Systems with Deep RL algorithm (ID 2550)

Ibrahim Elgendy

Autoregressive and Arima Pro-Integrated Moving Average Models for Network Traffic Forecasting (ID 3101)

11:45–12:00

Binumon Joseph, Jose K. P.

A k-out-of-n Reliability Model with Phase-Type Internal and External Service, N-Policy, and Multiple Server Vacations (ID 2862)

Rumen Ketipov, Todor Balabanov, Vera Angelova, Lyubka Doukovska

Applying Machine Learning for User Preferences Prediction based on Personality Traits (ID 2613)

12:00–12:15

Jose K. P. , Thresiamma N. J.

N-Policy in a Multi-server Stochastic Production Inventory System (ID 2858)

Andrey Gorshenin

On Supervised Deep Gaussian Mixture Models (ID 2514)

12:15–12:30

Alexander Maslov, Eduard Sopin

On convolution algorithm for normalization constant evaluation in the analysis of resource loss systems with signals (ID 2500)

Svetlana Dugaeva, Vyacheslav Begishev, Alexander Shurakov, Yevgeni

Koucheryavy, Gregory Goltsman

The Use of Machine Learning for Remote Discrimination of Applications's Classes in 6G Terahertz Systems with Directional Antennas (ID 2490)

12:30–13:15	Lunch (University Canteen)	
13:15–13:30	Alexander Dudin, Olga Dudina Polling Queueing System with Varying Service Rate (ID 2571) [online]	Amna Shabbir, Sadique Ahmad, Madeeha Azhar, Safdar Ali Rizvi, Anna Kushchazli, Abdelhamied Ashraf Ateya Optimizing Energy Efficiency via Small Cell-Controlled Power Management for Seamless Data Connectivity (ID 2928)
13:30–13:45	Valentina Klimenok, Vladimir Vishnevsky Tandem Retrial Queueing System with Markovian Arrival Process and Common Orbit (ID 3084) [online]	Mohammed muthanna, Omar Mahmood, Yousif Hammadi, Alexey Tselykh Deep Learning Chest X-Rays of Pneumonia Binary Classification Based on Convolutional Neural Network for IoT networking (ID 3100)
13:45–14:00	Ruslana Nekrasova Stability analysis of two-class preemptive priority retrial queueing model with constant retrial rate (ID 2560) [online]	Viacheslav Tsvetkov, Sergey Polesskiy, Leonid Lander, Pavel Korolev Development of a Multifactor Forecasting Method for Dependability Measures of IIoT-Systems (ID 2630)
14:00–14:15		Alexander Goldstein, Lev Goldstein, Михаил Феноменов 5G/6G Communication Networks Works Force Management (ID 2930)
14:15–14:30		Daria Ostrikova, Vitalii Beschastnyi, Elizaveta Golos, Yuliya Gaidamaka, Alexander Shurakov, Yevgeni Koucheryavy, Gregory Goltsman Measurement-Based Received Signal Time-Series Generation for 6G Terahertz Cellular Systems (ID 2945)
14:30–14:45		
14:45–15:15	Coffee Break (University Canteen)	
15:15–15:30	Ádám Tóth, János Sztrik Investigation of M/G/1//N system with collisions, unreliable primary and a backup server (ID 2442)	

15:30–15:45	Dmitry Efrosinin, Natalia Stepanova, Vladimir Vishnevsky Simulation-Based Optimization for Resource Allocation Problem in Finite-Source Queue with Heterogeneous Repair Facility (ID 2866)	
15:45–16:00	Agassi Melikov, Alexander Rumyantsev State-Dependent Admission Control (ID 2597) [online]	
16:00–16:15	Oleg Lukashenko On the reliability estimation of the Gaussian degradation system with a changing mean degradation rate (ID 2631)	
16:15–16:30	Vladimir Rykov, Nika Ivanova Reliability Analysis of Active Double Redundant System with Arbitrary Initial Distributions (ID 2885)	
16:30–16:45	Konstantin Vytovtov, Elizaveta Barabanova Transient behavior of multi-line QS with a limited number of sources and a smooth change of input information flow (ID 3128)	
16:45–17:00		

Wednesday,
September 25, 2024

RUDN University
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Track B: Modeling of Distributed Systems and Networks

Track B: Modeling of Distributed Systems and Networks

Track C: Distributed Systems Applications

Track A: Computer and Communication Networks: Architecture,
Protocols and Technologies

Rooms

Room 219

Room 208

Room 218

10:00–12:30

Registration
(Room 220)

11:00–11:15

Ivan Zaryadov, Tatiana Milovanova, Konstantin Samouylov
Two different threshold-based stochastic drop mechanisms for queuing systems (ID 2572)

Mohammed ElHabib Kahla, Mounir Beggas, Abdelkader Laouid, Brahim Ferik, Mostefa Kara
A Novel Dual Watermarking Scheme Based On K-level For Medical Images (ID 2926)

Anna Klimenko
A Technique of Resource Allocation for Computationally Hard Optimization Problems Solving in Distributed Heterogeneous Dynamic Environments (ID 2615)

11:15–11:30

Ekaterina Pankratova, Svetlana Moiseeva, Ekaterina Pakulova
Mathematical Model of a Heterogeneous System Multimodal Data Transmission (ID 2766)

Adel Berhoum, Abdelkader Laouid, Mostefa Kara
An Intelligent Approach for Early Detection of Potato Diseases in Desert Agriculture (ID 2925)

Mostefa Kara, Abdelkader Laouid, Mohammad Hammoudeh, Elena Makeeva, Ahcene Bounceur
A New Mining Consensus Algorithm: A Binary Matrix Representation Based (ID 2927)

11:30–11:45

Konstantin Vytovtov, Elizaveta Barabanova
Performance Analyzes of All-Optical Network With Non-Stationary Input Flow (ID 2963)

Eugene Yu. Shchetinin, Leonid Sevastianov, Anastasiia Tiutiunnik
Coronary arteries stenosis detection by deep learning methods (ID 2456)

Maxim Zuev, Anastasia Anikina, Dmitry Belyakov, Tatevik Bezhanyan, Oksana Streltsova, Maria Lubimova
Capabilities of the software and information environment of the HybriLIT heterogeneous computing platform for JINR tasks (ID 2628)

11:45–12:00

Elizaveta Barabanova, Konstantin Vytovtov, Iskander Khafizov
Analysis of functioning all-optical networks in transient mode using queueing

Artem Makarov, Dmitry Namiot
On Proximity Presentation System (ID 2566)

Alexander Chenskiy, Aleksandr Berezkin, Ruslan Kirichek, Dmitry Kukunin
Research of the VQ-f16 VAE latent space compression methods for FPV video stream (ID 2330)

12:00–12:15

Tatyana Konovalova, Maxim Voshchansky, Ekaterina Markov
Analysis of radio admission control scheme model for 5G network with NS and priority service (ID 2551)

Alexander Alexandrov
Generalized Nets Model of neonatal Critical Congenital Heart Defects screening process (ID 2575)

Yegor Anichkov, Viktor Popov, Sergey Bolovtsov
Retrieval poisoning attack based on prompt injections to Retrieval-Augmented Generation with Active Database (ID 2620)

12:15–12:30

Kseniia Leonteva, Ibram Ghebrial, Irina Kochetkova
Analyzing Resource Reallocation Policies for 5G NR Network Slicing Using a Controllable Queuing Model with Signals (ID 2518)

Vitaly Fralenko, Mikhail Khachumov
A practical solution to the problem of detecting peoples and vehicles from video frames (ID 2461)

Daniil Homskiy, Narek Maloyan, Bulat Nutfullin
Prompt Injection Attacks in Defended Systems (ID 2557)

12:30–13:15

Lunch
(University Canteen)

13:15–13:30

Svetlana Moiseeva, Ekaterina Pankratova, Ekaterina Pakulova
Математическая модель гетерогенной системы передачи многомодальных данных (ID 2506)

Georgy Belikov
Сжатие данных для информационной системы морского и речного флота (ID 2467)

Alexey Kovtunenکو
Development of Distributed Digital Twins of Complex Technical Objects Based on an Agent-Oriented Software Architecture (ID 3104)

13:30–13:45

Dzmitry Kopats
G-сеть с контрольными и карантинными очередями и возможностью перемещения сигналов между системами сети (ID 2453)

Enoel Arrokhо
Сегментация нейронов на изображениях фазово-контрастной микроскопии (ID 2625)

Anton Mamonov, Soltan Salpagarov, Blinkov Yury, Izabella Akopian
The algorithm for distributed calculating Gröbner or involutive bases of polynomial ideals (ID 2618)

13:45–14:00	Vitalii Beschastnyi, Egor Machnev, Elizaveta Golos, Daria Ostrikova, Yuliya Gaidamaka, Alexander Shurakov, Gregory Goltzman О генерации временных рядов значений мощности принимаемого сигнала на основе измерений в терагерцовых системах 6G (ID 2510)	Владимир Широков, Leonid Abrosimov Самоуправление корпоративной сотовой сетью на базе машинного обучения с подкреплением (ID 2528)	Margarita Orlova, Semion Chernin, Dmitry Orlov, Olga Morozova, Leonid Abrosimov Discovering Topological parameters in Decentralized and Dynamically Changing Mobile Network (ID 2586)
14:00–14:15	Anna Zhivtsova, Vitalii Beschastnyi, Konstantin Samouylov Влияние характеристик пропускной способности канала на задержку при различных политиках планирования полудуплексного режима передачи (ID 2462)	Pavel Golosov, Sergey Bolovtsov, Ivan Gostev О производительности специализированной распределенной вычислительной системы, построенной на основе интеллектуальных агентов (ID 2589)	Ibrahim Elgendy, Abdulkodir Khakimov, Ammar Muthanna Energy-Efficient Framework for Task Caching and Computation Offloading in Multi-Tier Vehicular Edge-Cloud Systems (ID 3086)
14:15–14:30	Dmitry Nikolaev, Andrey Gorshenin, Yuliya Gaidamaka Применение модели поллинга с произвольным числом очередей для оптимизации круговой задержки пакетов в сети IAB (ID 2763)	Dmitrii Aminev, Dmitry Kozyrev Дерево отказов для системы гибридного распознавания номеров транспортных средств (ID 3099)	
14:30–14:45	Elisaveta Gaydamaka, Александр Милёхин, Konstantin Samouylov Пиковый возраст информации в многоадресной сети с пороговой схемой остановки передачи (ID 2527)	Dmitry Kunitsky, Maxim Fomin Операции анализа данных в многомерных информационных системах на основе колоночных СУБД (ID 2590)	
14:45–15:15	Coffee Break (University Canteen)		
15:15–15:30	Andrei Zorine О решении стационарных уравнений методом исключения переменных для порогового обслуживания конфликтных потоков (ID 2460)	Mohammed muthanna, Alexey Tselykh An Internet of Thing based Obstacle Avoidance Robotic Vehicle Using Ultrasonic Sensor and Arduino (ID 3102)	
15:30–15:45	Artem Podgainov, Anatoly Nazarov Исследование RQ-системы с ожиданием заявок в бункере и на орбите методом асимптотически диффузионного анализа (ID 2507)	До Фук Хао, Tran Duc Le, Aleksandr Berezkin, Ruslan Kirichek Advancing Satellite Communications: Multi-Objective Optimization with Genetic Algorithms (ID 2408)	
15:45–16:00	Svetlana Paul, Anatoly Nazarov, Ivan Lapatin Двумерный маркированный MMPP в предельных условиях изменения состояний управляющей цепи (ID 2616)	До Фук Хао, Tran Duc Le, Aleksandr Berezkin, Ruslan Kirichek Optimizing Resource Allocation for Multi-Beam Satellites Using Genetic Algorithm Variations (ID 2775)	
16:00–16:15	Andrey Alekseev, Irina Peshkova Моделирование систем обслуживания M/G/1/2 с обновлением заявок (ID 2607)	Dmitry Kukunin, Zachery Babanov, Sergey Maksimenko, Aleksandr Berezkin, Ruslan Kirichek Guaranteed data delivery based on the recurrent sequences (ID 2439)	
16:15–16:30	Sergey Astafiev Об оптимальном экспоненциальном расщеплении плотности (ID 2546)	Vidyottama Jain, Dmitry Kozyrev Optimization of HAPS-UAV Network Performance: A Novel Stochastic Geometry model (ID 3133)	
16:30–16:45	Ekaterina Pavlova, Степан Шепилов Вероятностные характеристики двупоточной неоднородной СМО в случайной марковской среде (ID 2511)	Elisaveta Gaydamaka, Александр Милёхин, Yuliya Gaidamaka, Konstantin Samouylov Peak Age of Information in a Multicasting Network (ID 2888)	
16:45–17:00			
17:00–17:15			
17:15–17:30			

17:30-17:45
17:45-18:00
18:00-18:15
18:15-18:30
18:30-18:45
18:45-19:00
19:00-19:15
19:15-19:30

Gala Dinner

Location

University Canteen