

29th International Conference on Distributed Computer and Communication Networks (DCCN 2026) – AGENDA
September 21 (Monday) – September 25 (Friday), 2026

Organizers

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

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

Tracks

Track A. Computer and Communication Networks: Architecture, Protocols and Technologies. Chair: Vladimir Vishnevsky. Co-chair: Olga Semenova.
Track B. Analytical Modeling of Distributed Systems and Networks. Chair: Konstantin Samouylov. Co-chair: Yuliya Gaidamaka.
Track C. Distributed Systems Applications. Chair: Ruslan Smeliansky. Co-chair: Ruslan Kirichek.

Monday, September 21, 2026	TIME (Moscow time)	DAY 1: Opening, Plenary session
	10:00–13:00	REGISTRATION (Room 220)
	11:00–11:05	Conference Opening (University Club) Chairman: <i>Vladimir Vishnevsky</i> , ICS RAS
	11:05–11:15	Welcome Speech: <i>Konstantin Samouylov</i> , Professor, RUDN University; <i>Dharmaraja Selvamuthu</i> , Professor, Indian Institute of Technology
	11:15–12:00	A New Green Paradigm for 5G and Beyond Communication Networks <i>Prof. Dush Nalin Jayakody</i> , Lusófona University, Portugal
	12:00–12:45	Quantum Computing for Distributed Networks: New Paradigms in Control, Computation, and Communications <i>Prof. Mahmood Said Nasser Al-Bahri</i> , Sohar University, Oman
	12:45–14:00	Lunch (University Canteen)
	14:00–14:45	AI-Accelerated Embedded Machine Vision: Bringing Intelligence to the Edge <i>Prof. Mohammed Sharaf Sayed</i> , Egypt-Japan University of Science and Technology, Egypt
	14:45–15:30	Turning the attacker's toolbox into a standardised instrument of AI assurance <i>Prof. Mohammad Hammoudeh</i> , Aramco Cybersecurity, Saudi Arabia
	15:30–16:15	Maintainability Analysis of UAV Systems: an Analytical Approach <i>Prof. Dharmaraja Selvamuthu</i> , Indian Institute of Technology, India
	16:30–18:00	Welcome Reception (University Canteen)

Tuesday, September 22, 2026	TIME (Moscow time) 10:00–13:00	DAY 2: Track sessions REGISTRATION (Room 220)		
		A.1. Computer and Communication Networks: Architecture, Protocols and Technologies Chairs: Prof. A. Paramonov, Dr. E. Markova Room 208	B-1.1. Analytical Modeling of Distributed Systems and Networks Chairs: Prof. N. Dudin, Dr. E. Fedorova Room 218	B-2.1. Analytical Modeling of Distributed Systems and Networks Chairs: Prof. Y. Gaidamaka, Dr. O. Semenova Room 219
	11:00-11:15	Huiyao Dong, Mohammad Hamoudeh, Danish Vasan Determinism-Enhanced Anomaly Detection for Zero-Trust Industrial Control Systems (ID 4126)	Olga Dudina, Alexander Dudin Multi-Server Queue with BMAP and MAP Arrivals, Heterogeneous Buffers, and Impatient Customers (ID 4152)	Uliana Morozova, Igor Vasilyuk, Yuliya Gaidamaka On the analysis of the discrete-time system with batch service and Early Arrival discipline (ID 4088)
	11:15-11:30	Aleksey Rumiantsev, Maxim Susloparov, Artem Krasilov A Link Selection Algorithm for Improving TCP Throughput in 5G NTN Systems (ID 4130)	Mostafa Ali, Dmitry Efrosinin Learning Hysteretic Routing Policies for Heterogeneous Queues with Switching Costs (ID 4142)	Pavel Golosov, Sergey Bolovtsov, Sergey Dubrovskiy, Ivan Gostev A Study of Performance Variations of Specialized Distributed Computing Systems Using Multiple Parallel Task Queues (ID 4107)
	11:30-11:45	Varvara Manaeva, Anna Gaydamaka, Yves Adou, Ekaterina Markova, Yevgeni Koucheryavy Performance of Cellular Ambient Internet of Things with Passive Energy Harvesting Devices (ID 4266)	Ekaterina Fedorova, Olga Lizyura, Anatoly Nazarov, Dharmaraja Selvamuthu, Harini Rajendran Analysis of VR/XR Services Quality of Experience based on Retrial Queueing System with Feedback (ID 4502)	Eduard Rayushkin, Maksim Shcherbakov Improving the Reliability of Distributed Energy Systems based on Graph Neural Networks (ID 4201)
	11:45-12:00	Xuan Ngoc Nguyen, Alexander Paramonov Deep Reinforcement Learning Assisted Adaptive Weighting for Slice-Aware Multipath Routing in 5G Networks (ID 4121)	Alexander Dudin, Olga Dudina Performance Analysis of a Semi-Open Queueing Network with Correlated Arrivals, Catastrophes, and Customer Impatience (ID 4153)	Vidyottama Jain A Semi-Markov Reliability and Digital Twin Framework for Mission Readiness Evaluation of Repairable Tethered HAPS (ID 4514)
	12:00-12:15	Andrei Mulyar, Daniil Shembel, Nikita Korolyov, Anna Gaydamaka, Yevgeni Koucheryavy Open End-to-End Emulation Environment for Service Prototyping in 5G and Emerging 6G Networks (ID 4144)	Mei Liu, Alexander Dudin Multi-Server Queue with Batch Markovian Arrival Process, Heterogeneous Servers, Phase Type Distribution of Service Times and Customers Search in the Buffer (ID 4155)	S. V. Mescheryakov, N. A. Solodilova, D. E. Bortyakov, D. Arus, D. I. Kovalev Analytical Modeling and Computer Aided Design of Distributed Transport Communication Systems (ID 4067)
	12:15-12:30	Ayodele Emmanuel Abiola A Lightweight Zero-Trust Anomaly Detection Framework for IoT-Enabled 5G/6G Infocommunication Networks (ID 4185)	BOBINA J MATTAM , Jose K. P. Analysis of deteriorating inventory MAP/PH(1)/PH(2)/2 System with Retrial (ID 4215)	Bui Duy Tan, Olga Semenova Adaptive Queue Scheduling in Polling Systems via Online Deep Learning (ID 4178)
	12:30-13:15	Lunch (University Canteen)		
		A.2. Computer and Communication Networks: Architecture, Protocols and Technologies Chairs: Prof. Y. Koucheryavy, Dr. A. Muthanna Room 208	B-1.2. Analytical Modeling of Distributed Systems and Networks Chairs: Prof. K. Samouylov, Prof. D. Selvamuthu Room 218	B-2.2. Analytical Modeling of Distributed Systems and Networks Chairs: Dr. I. Kochetkova, Dr. S. Paul Room 219
	13:15-13:30	Alsarhan Mohammed Qahtan, Ksenia Vershinina, Ammar Muthanna, Andrey Koucheryavy Mobility-Aware Service Migration for Joint QoS Improvement and AoI Minimization in Cloud-Based Networks (ID 4505)	Prachi Singh, Sanjay Kumar Singh, Dharmaraja Selvamuthu Likelihood-Based Inference for Event-Driven Systems using Hawkes Processes with Middle-Censored Event Times (ID 4328)	Sergey Bogolyubov, Irina Kochetkova Стохастическая модель сети пассивных устройств Ambient IoT со случайным расположением источников питания (ID 4089)
	13:30-13:45	Ariy Okonishnikov, Andrey Gorshenin Agentic Model Selection and Tuning for Probability-Informed Network Traffic Forecasting (ID 4220)	Sajeev Nair, Smija Skaria, Sandhya E, Vidya V Menon A Numerical Study of the Transient Behaviour of a Retrial Queue with Orbital Search and Balking of Customers (ID 4161)	Anatoly Nazarov, Svetlana Paul, Alena Ivanova Распределение вероятностей числа периодов активности одномерного On/Off процесса (ID 4344)
	13:45-14:00	Wasin Alkishri, Mahmood Al-Bahri, Nasser Al Musalhi, Muhammed Muthanna Hybrid Time–Frequency Feature Fusion for CNN-Based Network Intrusion Detection on the UNSW-NB15 Dataset (ID 4504)	Elisaveta Gaidamaka, Khushi Sen, Konstantin Samouylov, Dharmaraja Selvamuthu A Queueing Model for QoS and QoE Trade-off Analysis of XR Traffic in 5G/6G Networks (ID 4518)	Ivan Lapatin, Dias Zhamsap, Kirill Malkov Модель энергопотребления вычислительного узла с механизмом автомасштабирования ресурсов при ограниченном числе пользователей (ID 4194)
	14:00-14:15	Roman Rachugin, Nikita Stepanov, Andrey Turlikov Balancing frequency-time resources of radio channel in 2-step random access procedure (ID 4217)	Khushi Sen, Dharmaraja Selvamuthu Mission-Phase Dependent Reliability and Maintainability Analysis of a UAV Using Semi-Markov Process (ID 4327)	Konstantin Terentev, Irina Kochetkova, Konstantin Samouylov Модель бизнес-процесса в виде сети массового обслуживания с зависящей от состояния маршрутизацией (ID 4090)
	14:15-14:30	Andrey Minyaev, Artem Kulichkin, Sameh Alkattan Dynamic Scanning for Large-Scale Network Security Monitoring (ID 4207)	Binumon Joseph, Jose K. P. Analysis of a k-out-of-n:G System with External Customer Service, Preemptive Priority and Working Vacation under N-Policy (ID 4227)	Andrey Alekseev, Irina Peshkova Анализ пикового возраста информации в мультисенсорных системах (ID 4206)
	14:30-14:45	Anton Vilyaev , Andrey Gorshenin Adaptive State-Space Neural Expectation-Maximization Approach for Mobile Network Traffic Forecasting (ID 4219)	Jaya S. Reliability Analysis of a k-out -of-n:G System with Preventive Maintenance, Irrepairable Component Failures, and Spare Replenishment Policies (ID 4230)	Dzmitry Kopats Анализ G-сети с разнотипными нетерпеливыми положительными заявками и сигналами (ID 4115)
	14:45–15:15	Coffee Break		

Tuesday, September 22, 2026		A.3. Computer and Communication Networks: Architecture, Protocols and Technologies Chairs: Prof. K.Samouylov, Dr. A. Muthanna Room 208	B-1.3. Analytical Modeling of Distributed Systems and Networks Chairs: Prof. D. Efrosinin, Dr. A. Vlaskina Room 218	B-2.3. Analytical Modeling of Distributed Systems and Networks Chairs: Prof. S. Moiseeva, D. N. Ivanova Room 219
	15:15-15:30	Antonina Parashchenko, Elisaveta Gaidamaka, Konstantin Samouylov Распределение канальных ресурсов для оптимизации сквозной задержки в сетях интегрированного доступа и транзита (ID 4134)	Evgeny Khityaev, Ivan Zaryadov Generalization and classification of two-queue JSQ–SLQ systems with zero and non-zero switch-over times (ID 4148)	Svetlana Moiseeva, Rushana Hamrayeva Mathematical Model in the Form of an M/M/1 Retrial Queue with Non-Persistent Primary Customers (ID 4186)
	15:30-15:45	Maksim Belov, Darya Vorobyova, Ammar Muthanna Particle Swarm Optimization Method for Task Offloading in Serverless Mobile Edge Computing (ID 4507)	Mariia Makarova Application of Optimal Scheduling in a Quantum Switch: A Practical Case (ID 4211)	Alexey Bergovin, Vladimir Ushakov Event-dependent arrivals in the M/G/1 queues (ID 4146)
	15:45-16:00	Maria Shlapak, Ekaterina Stepanova, Andrey Lyakhov Reservation methods for IIoT traffic in Heterogeneous Wi-Fi Networks: Comparative Study (ID 4231)	Sekou Abdel Kader Diane, Vladimir Nazarkin, Aleksandra Bessonova A Method for Hierarchical Control of Mobile Robots with Pairwise Kinematic Constraints (ID 4164)	Alexander Andronov, Vladimir Vishnevsky, Nika Ivanova, A Computational Method for Analyzing Continuous-Time Markov Reward Chains (ID 4010)
	16:00-16:15	Vyacheslav Burlov, Sergey Kapitsyn, Anastasia Lyubimova System-Forming Factor for Artificial Intelligence Systems: A Security-Oriented Synthesis Methodology (ID 4213)	Vladimir Artyushin, Maksim Shcherbakov Performance-Driven Operating Regime Selection in Proactive Management of Cyber-Physical Systems (ID 4183)	Vladimir Rykov, Nika Ivanova Положительная возвратность маркированного марковского процесса для системы надежности $\langle GI_{\lfloor m \leq n \rfloor} GI \rfloor \rangle$ (ID 4351)
	16:15-16:30		Aleksandr Demokidov, Gleb Kiselev Optimal Control and Reinforcement Learning for Constrained Mobile Robot Navigation (ID 4116)	Anastasia Varakina, Ekaterina Fedorova Stability condition for retrial queuing systems with limited service source (ID 4091)
	16:30-16:45			
	16:45-17:00			

Wednesday, September 23, 2026	TIME (Moscow time)	DAY 3: Track sessions		
	10:00–13:00	REGISTRATION (Room 220)		
		A.4. Computer and Communication Networks: Architecture, Protocols and Technologies <i>Chairs: Prof. R. Kirichek, Dr. E. Sopin</i> Room 208	B-1.4. Analytical Modeling of Distributed Systems and Networks <i>Chairs: Prof. S. Moiseeva, Dr. I. Peshkova</i> Room 218	C.1. Distributed Systems Applications <i>Chairs: Prof. R. Smeliansky, Prof. D. Namiot</i> Room 219
	11:00-11:15	Ahmed Abdelmoaty, Ali R. Abdallah, Mohamed Anbar, Hassan. A. Hassan, Mohammed Muthanna, Mahmood Al-Bahri , Andrey Koucheryavy Synthetic Encrypted Traffic Generation with VAE-GAN: Capturing Complex Patterns for Realistic Network Modeling (ID 4160)	Natalya Chalykh, Svetlana Moiseeva Качество обслуживания гетерогенной приоритетной системы передачи данных (ID 4092)	Cong Minh Vu, Chidera Simon Agbasiere, Quang Hung Nguyen Quantization-Aware Training for Minority-ClassPreserving Poultry Disease Detection on Edge Devices (ID 4084)
	11:15-11:30	Alexander Chenskiy, Aleksandr Berezkin, Roman Vivchar, Zahar Kulunchakov, Alyona Kozlova, Ruslan Kirichek Evaluating unmanned systems first-person view control service quality requirements (ID4074)	Vladimir Rybintsev Расчет замкнутых сетей с многоканальными узлами методом полиномиальной аппроксимации (ID 4030)	Alexander Bochkov Quantitative Cyber Risk Assessment for Distributed Communication Systems Using ALM Distributions (ID 4027)
	11:30-11:45	Alsarhan Mohammed Qahtan, Renata Sakhapova, Oleg Vtorov, Alexander Brushinin, Viktoria Dmitrieva, Artem Volkov, Andrey Koucheryavy Modeling and Performance Evaluation of an Electromyographic Body Sensor Network for a Telepresence Suit (ID 4506)	Alexandra Starovoytova, Alexander Moiseev Система массового обслуживания с ненадежным прибором и уничтожением обслуживаемой заявки при его отказе (ID 4184)	Fedor Baryshnikov, Dmitry Namiot On the detection of rare events (ID 4046)
	11:45-12:00	Mohammed Muthanna, Mahmood Al-Bahri, Maksim Martimyan, Ammar Muthanna, Andrey Koucheryavy Bio-Inspired 6-DoF Object Localization in Metaverse Environments Based on Gene Regulatory Networks (ID 4503)	Nikita Kalinin, Irina Peshkova Сравнительный анализ методов экспоненциального расщепления и экспоненциального разложения распределений в регенеративном моделировании (ID 4072)	Nikita Stepanov, Peter Panfilov, Anastasiya Radaeva, Anastasia Shatrova, Maksim Vinokurov A Distributed Data Management and Machine Learning Framework for Electricity Consumption Forecasting in Power Grid Enterprises (ID 4199)
	12:00-12:15	Maria Makolkina, Artyom Sterlikov Investigation of the relationship between subjective and objective assessments of quality of experience for augmented reality applications (ID 4125)	Ivan Khomichkov Дифференциальное уравнение для расчета стационарных вероятностей многоканальной системы массового обслуживания с повторными вызовами (ID 4179)	Alexandra Chudinova Uncertain processes in industrial energy systems: Modelling and Prognosis (ID 4168)
	12:15-12:30	Dmitrii Stamplevskii, Andrey Gorshenin Toward a Comparative Analysis of State Space Models and Transformers for Network Anomaly Detection under Varying Context Lengths (ID 4221)	Evgenii Novikov Применение рекурсивных моментных формул для односерверной системы с потерями (ID 4200)	Dmitriy Zuev Comparative Study of Self-Organizing and Elastic Maps in Comparison with Soft Computing Paradigms in Intrusion Detection Systems (ID 4006)
	12:30-13:15	Lunch (University Canteen)		
		A.5. Computer and Communication Networks: Architecture, Protocols and Technologies <i>Chairs: Prof. V. Vishnevsky, Dr. E. Sopin</i> Room 208	B-1.5. Analytical Modeling of Distributed Systems and Networks <i>Chairs: Prof. V. Rykov, Prof. N. Markovich</i> Room 218	C.2. Distributed Systems Applications <i>Chairs: Prof. L. Sevastianov, Prof. S. Portnoy</i> Room 219
	13:15-13:30	Vladimir Vishnevsky, Evgeny Mikhailov Modelling cable oscillations for tethered high-altitude telecommunication platform in the case of non-stationary wind flow (ID 4226)	Natalia Markovich, Maksim Ryzhov Tail index estimation in poisson growing preferential attachment networks (ID 4132)	Nikita Kolovorotnyy Analysis of CNN Internal Representations for Non-Stationary Processes in Rolling Bearings (ID 4120)
	13:30-13:45	Georgy Belikov, Leonid Abrosimov Improving the efficiency of the satellite segment of the information network for maritime and river fleets (ID 4195)	Sergey Astafiev, Irina Peshkova Artificial Regeneration for a Two Input Flow G/M/1 Queue with Weibull Interarrivals (ID 4147)	Igor A. Kaliaeve, Anatoly I. Kaliaeve, Sergei A. Semenisty Decentralized FPGA-Aware Task Scheduling in a Heterogeneous High-Performance Computing Cluster (ID 4129)
	13:45-14:00	Mikhail Shevchenko Methodological Approach to Forming an Integral Anomaly Criterion Based on the Analysis of Time Series of Technological Parameters (ID 4150)	Samaja S Naboothri, Jaya S A Two-Commodity Queuing Inventory Model with Reuse of Perishable Goods and Production (ID 4228)	Sergey Portnoy, Alexey Efremov, Vladimir Kuzmin Дополнительная коррекция ошибок в каскадном коде с помощью полносвязных нейронных сетей (ID 4354)
	14:00-14:15	Artem Nazarin, Anna Zhivtsova, Eduard Sopin A Resource Queuing Systems for Modeling Data, Control, and Beam Allocation in 5G NR (ID 4117)	Arivudainambi Deivasigamani, M. Malini Transient Analysis of Single Server Queue with State Dependent Breakdowns (ID 4212)	Gleb Kuzmin, Gleb Kiselev Иерархическая когнитивная архитектура управления для мобильной робототехнической платформы (ID 4145)
	14:15-14:30	Artem Makarov, Dmitry Namiot A Proximity Core for Multi-Technology Wireless Services (ID 4167)	Larbi Sabiha, Radjef Mohammed Said, Rahmoune Fazia Adaptive Traffic Signal Control via Stackelberg Game Theory and Q-Learning (ID 4232)	Andrey Volokh, Aleksandr Belov Применение ИИ в синхронном взаимодействии информационных систем (ID 4218)

Wednesday, September 23, 2026	14:30-14:45	Ibragim Idrisov, Dmitry Namiot Score-Scaled Residual-Site Steering in Multimodal Diffusion Transformers (ID 4149)	Aleksandr Roslyakov, Maria Usacheva Using the Pollaczek-Khinchine Formula for Delay Analysis in Multiservice Networks with Bursty and Self-Similar Traffic (ID 4058)	Sergey Portnoy, Andrey Voloshin, Danil Raklanov, Ilia Chevtayev Коды с локализацией ошибок: линейность конструкции и мягкое декодирование (ID 4361)
	14:45–15:15	Cofee Break		
		A-6. Computer and Communication Networks: Architecture, Protocols and Technologies <i>Chairs: Prof. E. Levner, Dr. A. Kushchazli</i> Room 208	B-1.6. Analytical Modeling of Distributed Systems and Networks <i>Chairs: Prof. E. Morozov, Dr. R. Nekrasova</i> Room 218	C.3. Distributed Systems Applications <i>Chairs: Prof. V. Vishnevsky, Prof. N. Bakanova</i> Room 219
	15:15-15:30	Boris Kriheli, Eugene Levner The AI Overtrust Paradox in Cybersecurity: A Bayesian Threat Detection Model and Practical Algorithm (ID 4173)	Minh Cong Dang, Olga Semenova Deep Sequence Machine Learning Models for Predicting Performance Characteristics of Retrial Tandem Queueing Systems (ID 4598)	Sergey Portnoy, Nikita Klyuev Балансировка трафика на основе емкости систем в конвергентных сетях связи высокоскоростных железных дорог (ID 4360)
	15:30-15:45	Alexandr Karpukhin Rag Classifier for proactive Cyberattack Diagnostics (ID 4197)	Ruslana Nekrasova Quasi-stationary distribution of virtual waiting time in a retrial queue (ID 3997)	Igor Buzhin, Sakharchuk Veronika, Danila Farutin, Roman Pozdnyakov Ресурсоёмкость Prometheus и Prom++ при вариации параметров синтетической нагрузки (ID 4073)
	15:45-16:00	Dmitriy Pokamestov, Yakov Kryukov BER Performance of SCMA with Large Codebooks (ID 4198)	Ksenia Zhukova, Evsey Morozov A busy period analysis of M/G/1-type queue with general retrieval time (ID 4118)	Konstantin Kostiukhin, Mikhail Aristov Применение искусственного интеллекта в задачах статического анализа кода на примере анализатора misra-sa (ID 4064)
	16:00-16:15	Bulat Nutfullin, Dmitry Namiot The Hidden Cost of Safety: Measuring Over-Refusal in Inference-Time Defenses for Multimodal LLMs (ID 4138)	Antonina Parashchenko, Harini Rajendran, Konstantin Samouylov, Dharmaraja Selvamuthu QoE Modeling in 5G/6G Video Streaming: A Comparative Study of Accuracy, Complexity, and Energy Trade-offs (ID 4519)	Konstantin Kostiukhin, Anastasiia Sergeichik Интеграция TinyML-моделей в POSIX-совместимую ОСРБ (ID 4099)
	16:15-16:30	Nikolai Storozhuk, Roman Petriv Using clock frequency synchronization to improve time synchronization accuracy (ID 4216)	Evgenii Mikhov, Dmitry Dmitriev, Alexander Karavanov Comparative analysis of UAV relative navigation methods in group flights: balancing accuracy and communication channel load (ID 4191)	Н.Б. Баканова, Д.В. Волчков Реализация процессов контроля и мониторинга взаимодействия в системах учета публикационной результативности (ID 4496)
	16:30-16:45			А.С. Баканов, Т.М. Зотова, Ю.А. Цапаева Разработка пользовательского интерфейса для режимов управления взаимодействием в распределенной информационной системе (ID 4495)
	17:00–19:00	Gala Dinner (University Canteen)		
Thursday, September 24, 2026	12:00–17:00	DAY 4: Guided City Tour		
Friday, September 25, 2026		DAY 5: Conference Closing		
	11:00–12:30	Round Table with the participation of young scientists: Future networks, artificial intelligence and big data (Круглый стол с участием молодых ученых по вопросам сетей, искусственного интеллекта и больших данных) <i>Chairs: Prof. Vladimir Vishnevsky, Prof. Konstantin Samouylov</i> Room 219		
	12:30–13:00	Conference Closing		