

PUBLICATION LIST

PATENTS

- [P1] Chuprov, S., & Reznik, L. “Federated Learning with A Compromised Unit Exclusion from Receiving Global Model Updates”.
Provisional application filed on January 13, 2023. Converted to non-provisional
- [P2] Chuprov, S., & Reznik, L. “Network Adjustment based on Machine Learning End System Performance Monitoring Feedback”.
Provisional application filed on September 14, 2022. Converted to non-provisional

REPRINTS

- [R1] **Chuprov, S.**, Belyaev, P., Gataullin, R., Reznik, L., Neverov, E., & Viksnin, I. (2024) “Robust Autonomous Vehicle Computer-Vision-Based Localization in Challenging Environmental Conditions” in Applied Sciences. 2024, pp. 34-48., doi: doi.org/10.3390/books978-3-7258-2184-6. *Reprint of the Special Issue “Challenges in the Guidance, Navigation and Control of Autonomous and Transport Vehicles” that was published in Applied Sciences in 2023.* [URL](#)

REFEREED JOURNAL PUBLICATIONS

- [J1] **Chuprov, S.**, Zatsarenko, R., Reznik, L., & Khokhlov, I. (2024). “Data Quality Based Intelligent Instrument Selection with Security Integration” in ACM Journal of Data and Information Quality. 2024, vol. 16, no. 3, pp. 1-24. doi: 10.1145/3695770. [URL](#). **Q2**.
- [J2] **Chuprov, S.**, Belyaev, P., Gataullin, R., Reznik, L., Neverov, E., & Viksnin, I. (2023). “Robust Autonomous Vehicle Computer-Vision-Based Localization in Challenging Environmental Conditions” in Applied Sciences. 2023, no. 13(9):5735. doi: 10.3390/app13095735. [URL](#). **Q1**. *Published in Special Issue*
- [J3] Berezovskaya, O., **Chuprov, S.**, Neverov, E., & Sadreev, E. (2023). “Review and Comparison of Lightweight Modifications of the AES Cipher for a Network of Low-Power Devices” in Automatic Control and Computer Sciences. 2022, no. 56, pp. 994-1006. doi: 10.3103/S0146411622080028. [URL](#)
- [J4] Melnikov, T., **Chuprov, S.**, Lazarev, E., Gataullin, R., & Viksnin, I. (2022). “Improving Reputation and Trust-Based Approach with Reliability Indicators for Autonomous Vehicles Intergroup Communication” in Tomsk State University Journal of Control and Computer Science. 2022, no. 61, pp. 108-117. [URL](#)
- [J5] Marinenkov, E., **Chuprov, S.**, Tursukov, N., Kim, I., & Viksnin, I. (2022). “Study on Destructive Informational Impact in Unmanned Aerial Vehicles Intergroup Communication” in Symmetry. 2022. Vol. 14, no. 8, pp. 1-18. [URL](#). **Q2**. *Published in Special Issue*
- [J6] Viksnin, I., Marinenkov, E., & **Chuprov, S.** (2022). “A Game Theory approach for communication security and safety assurance in cyber-physical systems with Reputation and Trust-based mechanisms” in Scientific and Technical Journal of Information Technologies, Mechanics and Optics, vol. 22, no. 1, pp. 47–59. doi: 10.17586/2226-1494-2022-22-1-47-59. [URL](#)
- [J7] Khokhlov, I., Reznik, L., & **Chuprov, S.** (2020). “Framework for Integral Data Quality and Security Evaluation in Smartphones” in IEEE Systems Journal, vol. 15, no. 2, pp. 2058-2065, doi: 10.1109/JSYST.2020.2985343. [URL](#). **Q1**
- [J8] **Chuprov, S.**, Viksnin, I., Kim, I., Tursukov, N., & Nedosekin, G. (2020). Empirical Study on Discrete Modeling of Urban Intersection Management System. International Journal of Embedded and Real-Time Communication Systems (IJERTCS), vol. 11(2), pp. 16-38, doi: 10.4018/IJERTCS.2020040102. [URL](#)
- [J9] **Chuprov, S.**, Viksnin, I., Kim, I., Marinenkov, E., Usova, M., Lazarev, E., Melnikov, T., & Zakoldaev, D. (2019). Reputation and Trust Approach for Security and Safety Assurance in Intersection Management System. Energies, 12(23), 4527, doi: 10.3390/en12234527. [URL](#). **Q1**

REFEREED CONFERENCES' PROCEEDINGS AND PRESENTATIONS

- [C1] Narayanan, A., **Chuprov, S.**, Reznik, L., Zatsarenko, R., & Korobeinikov, D. “Intelligent Soccer Event Detection and Highlights Generation with Broadcast Cues Integration” in 23rd International Conference on Machine Learning and Applications (ICMLA'24). *Accepted for presentation and publication. Will be published after December 2024*

- [C2] Patel, H., **Chuprov, S.**, Korobeinikov, D., Zatsarenko, R., & Reznik, L. (2024). “Improving Federated Learning Security with Trust Evaluation to Detect Adversarial Attacks” in 19th Annual Symposium on Information Assurance (ASIA’ 24), 2024, pp. 37-43. [URL](#)
- [C3] Korobeinikov, D., **Chuprov, S.**, Zatsarenko, R., & Reznik, L., (2024). “Federated Learning Robustness on Real World Data in Intelligent Transportation Systems” in 19th Annual Symposium on Information Assurance (ASIA’ 24), 2024, pp. 30-36. [URL](#)
- [C4] **Chuprov, S.**, Zatsarenko, R., Korobeinikov, D., & Reznik, L. (2024). “Robust Training on the Edge: Federated vs. Transfer Learning for Computer Vision in Intelligent Transportation Systems” in 2024 IEEE World AI IoT Congress (AIIoT), Seattle, WA, USA, 2024, pp. 172-178, doi: 10.1109/AIIoT61789.2024.10578970. [URL](#)
- [C5] Zatsarenko, R., **Chuprov, S.**, Korobeinikov, D., & Reznik, L. (2024). “Trust-Based Anomaly Detection in Federated Edge Learning” in 2024 IEEE World AI IoT Congress (AIIoT), Seattle, WA, USA, 2024, pp. 273-279, doi: 10.1109/AIIoT61789.2024.10578967. [URL](#)
- [C6] Kovtun R., **Chuprov, S.**, Gataullin, R., Ruchkan, A., Alhasan, A., & Viksnin, I. (2024). “A Modern Approach to High Dynamic Range Image Processing with Machine Learning Architectures” in 2024 XXVII International Conference on Soft Computing and Measurements (SCM), 2024, pp. 207-212, doi: 10.1109/SCM62608.2024.10554097. [URL](#)
- [C7] Garifullin M., Turushev, T., Tursukov, N., & **Chuprov, S.** (2024). “Extended Formulation of the Problem of Terrain Exploration using a Multi-agent System” in 2024 XXVII International Conference on Soft Computing and Measurements (SCM), 2024, pp. 207-212, doi: 10.1109/SCM62608.2024.10554236. [URL](#)
- [C8] **Chuprov, S.**, Mahajan, S., Zatsarenko, R., Reznik, L. & Ruchkan, A. (2023). “Are Industrial ML Image Classifiers Robust to Withstand Adversarial Attacks on Videos?” in 2023 IEEE Western New York Image and Signal Processing Workshop (WNYISPW), 2023, pp. 1-4, doi: 10.1109/WNYISPW60588.2023.10349595. [URL](#)
- [C9] Zatsarenko, R., **Chuprov, S.**, Marathe, C.A., Hyland, M., & Reznik, L. (2023). “Are Industrial ML Image Classifiers Robust to Data Affected by Network QoS Degradation?” in 2023 IEEE Western New York Image and Signal Processing Workshop (WNYISPW), 2023, pp. 1-4, doi: 10.1109/WNYISPW60588.2023.10349560. [URL](#)
- [C10] Neverov, E., Viksnin, I., & **Chuprov, S.** (2023) “The Research of AutoML Methods in the Task of Wave Data Classification” in 2023 XXVI International Conference on Soft Computing and Measurements (SCM), 2023, pp. 156-158, doi: 10.1109/SCM58628.2023.10159058. [URL](#)
- [C11] Tursukov N., Viksnin I., Neverov E., Sheinman E., & **Chuprov S.** (2023) “Evaluation of the Effectiveness of Neural Networks Based on the Criteria for Completing the Object Classification Task” in 2023 XXVI International Conference on Soft Computing and Measurements (SCM), 2023, pp. 120-122, doi: 10.1109/SCM58628.2023.10159070. [URL](#)
- [C12] **Chuprov, S.**, Bhatt, K.M., & Reznik, L. (2023). “Federated Learning for Robust Computer Vision in Intelligent Transportation Systems” in 2023 IEEE Conference on Artificial Intelligence (CAI), Santa Clara, CA, USA, 2023, pp. 26-27, doi: 10.1109/CAI54212.2023.00019. [URL](#)
- [C13] **Chuprov, S.**, Memon, M., & Reznik, L. (2023). “Federated Learning with Trust Evaluation for Industrial Applications” in 2023 IEEE Conference on Artificial Intelligence (CAI), Santa Clara, CA, USA, 2023, pp. 347-348, doi: 10.1109/CAI54212.2023.00153. [URL](#)
- [C14] **Chuprov, S.**, Reznik, L., & Grigoryan, G. (2022). “Study on Network Importance for ML End Application Robustness” ICC 2023 - IEEE International Conference on Communications, Rome, Italy, 2023, pp. 6627-6632, doi: 10.1109/ICC45041.2023.10279698. [URL](#)
- [C15] **Chuprov, S.**, Satam, A. N., & Reznik, L. (2022). “Are ML Image Classifiers Robust to Medical Image Quality Degradation?” in 2022 IEEE Western New York Image and Signal Processing Workshop (WNYISPW), 2022, pp. 1-4, doi: 10.1109/WNYISPW57858.2022.9983488. [URL](#)
- [C16] **Chuprov, S.**, Khokhlov, I., Reznik, L., & Manghi, K. (2022). “Multi-Modal Sensor Selection with Genetic Algorithms” in 2022 IEEE Sensors, 2022, pp. 1-4, doi: 10.1109/SENSORS52175.2022.9967296. [URL](#)
- [C17] Khokhlov, I., **Chuprov, S.**, & Reznik, L. (2022). “Integrating Security with Accuracy Evaluation in Sensors Fusion” in 2022 IEEE Sensors, 2022, pp. 1-4, doi: 10.1109/SENSORS52175.2022.9967235. [URL](#)
- [C18] **Chuprov, S.**, Khokhlov, I., Reznik, L., & Shetty, S. (2022). “Influence of Transfer Learning on Machine Learning Systems Robustness to Data Quality Degradation” in 2022 International Joint Conference on Neural Networks (IJCNN 2022), 2022, pp. 1-8, doi: 10.1109/IJCNN55064.2022.9892247. [URL](#)

- [C19] **Chuprov, S.**, Reznik, L., Obeid, A., & Shetty, S. (2022). “How Degrading Network Conditions Influence Machine Learning End Systems Performance?” in IEEE INFOCOM 2022 - IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS), 2022, pp. 1-6, doi: 10.1109/INFOCOMWKSHPS54753.2022.9798388. [URL](#)
- [C20] **Chuprov, S.**, Gataullin, R., Neverov, E., Belyaev, P., Kim, I., & Viksnin, I. (2022). “Police Office Model Performance and Security Evaluation in a Simulated Group of Mobile Robots” in The 5th International Conference on Future Networks & Distributed Systems (ICFNDS 2021). Association for Computing Machinery, New York, NY, USA, pp. 606–615, doi: 10.1145/3508072.3508195. [URL](#)
- [C21] **Chuprov, S.**, Viksnin, I., Kim, I., Melnikov, T., Reznik, L., & Khokhlov, I. (2021). “Improving Knowledge Based Detection of Soft Attacks Against Autonomous Vehicles with Reputation, Trust and Data Quality Service Models” in 2021 IEEE International Conference on Smart Data Services (SMDS), pp. 115-120. [URL](#)
- [C22] Domnitsky, E., Mikhailov, V., Zoloedov, E., Alyukov, D., **Chuprov, S.**, Marinenkov, E., & Viksnin, I. (2021). “Software Module for Unmanned Autonomous Vehicle’s On-board Camera Faults Detection and Correction” in CEUR Workshop Proceedings, Vol. 2893, pp. 1-10. [URL](#)
- [C23] Lyakhovenko, Y., Viksnin, I., & **Chuprov, S.** (2021). “Integrating Smart Contracts into Smart Factory Elements’ Informational Interaction Model” in CEUR Workshop Proceedings, Vol. 2893, pp. 1-6. [URL](#)
- [C24] Usova, M., Viksnin, I., & **Chuprov, S.** (2021). “Informational Messages and Space Models Application in Smart Factory Concept” in CEUR Workshop Proceedings, Vol. 2893, pp. 1-8. [URL](#)
- [C25] Khanh, T.D., Komarov, I., Don, L.D., Iureva, R., & **Chuprov, S.** (2020). “TRA: Effective Authentication Mechanism For Swarms Of Unmanned Aerial Vehicles” in 2020 IEEE Symposium Series on Computational Intelligence, pp. 1852-1858, doi: 10.1109/SSCI47803.2020.9308140. [URL](#)
- [C26] Melnikov, T., Lazarev, E., Berezovskaya, O., **Chuprov, S.**, & Viksnin, I. (2020). “Empirical Study on Premises Monitoring Algorithm Implementation in Mobile Robotic System” in The International Conference “Nonlinearity, Information and Robotics”, pp. 1-6, doi: 10.1109/NIR50484.2020.9290188. [URL](#)
- [C27] Usova, M., **Chuprov, S.**, & Viksnin, I. (2020). “Informational Space and Messages Interaction Models for Smart Factory Concept” in 2020 IEEE International Workshop on Metrology for Industry 4.0 & IoT, pp. 617-621, doi: 10.1109/MetroInd4.0IoT48571.2020.9138292. [URL](#)
- [C28] **Chuprov, S.**, Marinenkov, E., Viksnin, I., Reznik, L., & Khokhlov, I (2020). “Image Processing in Autonomous Vehicle Model Positioning and Movement Control” in IEEE 6th World Forum on Internet of Things (WF-IoT) Proceedings, pp. 1-6, doi: 10.1109/WF-IoT48130.2020.9221258. [URL](#)
- [C29] **Chuprov, S.**, Viksnin, I., Kim, I., Reznik, L., & Khokhlov, I. (2020). “Reputation and Trust Models with Data Quality Metrics for Improving Autonomous Vehicles Traffic Security and Safety” in Proc. IEEE/NDIA/INCOSE Syst. Secur. Symp, pp. 1-8, doi: 10.1109/SSS47320.2020.9174269. [URL](#)
- [C30] **Chuprov, S.**, Viksnin, I., & Kim, I. (2019) “Urban Intersection Management with Connected Infrastructure Objects and Autonomous Vehicles” in 2019 IEEE International Conference on Connected Vehicles and Expo (ICCVE), pp. 1-4, doi: 10.1109/ICCVE45908.2019.8964917. [URL](#)
- [C31] **Chuprov, S.**, Viksnin, I., Kim, I., & Nedosekin, G. (2019). “Optimization of Autonomous Vehicles Movement in Urban Intersection Management System” in 2019 24th Conference of Open Innovations Association (FRUCT), pp. 60-66, doi: 10.23919/FRUCT.2019.8711967. [URL](#)
- [C32] **Chuprov, S.**, Viksnin, I., Kim, I., & Usova, M. (2019). “Intersection Management Tasks in Mobile Robotic System with Decentralized Control” in CEUR Workshop Proceedings, vol. 2344, pp. 1-12. [URL](#)
- [C33] Usova, M., **Chuprov, S.**, Viksnin, I., Gataullin, R., Komarova, A., & Iuganson, A. (2019). “Model of Smart Manufacturing System” in International Symposium on Intelligent and Distributed Computing, pp. 356-362, doi: 10.1007/978-3-030-32258-8_42. [URL](#)
- [C34] Marinenkov, E., **Chuprov, S.**, Viksnin, I., & Kim, I. (2019). “Empirical Study on Trust, Reputation, and Game Theory Approach to Secure Communication in a Group of Unmanned Vehicles” in CEUR Workshop Proceedings, vol. 2590, pp. 1-12. [URL](#)
- [C35] Usova, M., **Chuprov, S.**, Viksnin, I., & Baranova, O. (2019). “Model of Secure Informational Messages for Ensuring Informational Interaction in Smart Factory” in CEUR Workshop Proceedings, vol. 2590, pp. 1-8. [URL](#)
- [C36] Viksnin, I., Lyakhovenko, J., Tursukov, N., **Chuprov, S.**, & Sozinova, E. (2019). “Empirical Study on Modeling of People Behavior in Emergency” in CEUR Workshop Proceedings, vol. 2590, pp. 1-8. [URL](#)

- [C37] Kim, I., Matos-Carvalho, J. P., Viksnin, I., Campos, L. M., Fonseca, J. M., Mora, A., & **Chuprov, S.** (2019). “Use of Particle Swarm Optimization in Terrain Classification based on UAV Downwash” in 2019 IEEE Congress on Evolutionary Computation (CEC), pp. 604-610, doi: 10.1109/CEC.2019.8790031. [URL](#)
- [C38] Viksnin, I., **Chuprov, S.**, Usova, M., & Zakoldaev, D. (2019). “Police Office Model for Multi-agent Robotic Systems” in IOP Conference Series: Materials Science and Engineering, vol. 497, no. 1, p. 012036, doi: 10.1088/1757-899X/497/1/012036. [URL](#)

DISSERTATIONS

- [D1] **Chuprov, S.** (2024) “Robust Machine Learning Under Vulnerable Cyberinfrastructure and Varying Data Quality”, Ph.D. dissertation, B. Thomas Golisano College of Computing and Information Sciences, Rochester Institute of Technology, Rochester, NY, USA, 2024. [URL](#)
- [D2] **Chuprov, S.** (2019) “Assurance of Information in a Mobile Robotic System with Decentralized Control”, Master’s dissertation, Department of Secure Information Technologies, ITMO University, Saint Petersburg, Russia, 2019.

OTHER PUBLICATIONS AND PRESENTATIONS

- [O1] Belov, A., Belyaev, P., Viksnin, I., Kim, I., Radabolsky, V., Turushev, T., & **Chuprov, S.** (2023). “Software and Hardware Bundle for Controlling a Group of Unmanned Vehicles Based on Robust Computer Vision Algorithms” in LETI Transactions on Electrical Engineering & Computer Science. 2023, vol. 16, no. 6. pp. 52–69. – *in Russian*. [URL](#)
- [O2] Berezovskaya, O., **Chuprov, S.**, Neverov, E., & Sadreev., E. (2022). “Review and Comparison of AES Lightweight Modifications for a Low-Power Devices Network” in Problems of Information Security. Computer Systems. no. 2, pp. 35-50. doi: 10.48612/jisp/gp9v-96dh-32 v1. – *in Russian*. [URL](#)
- [O3] Buzina, E., **Chuprov, S.**, Tursukov, N., Belyaev, P., & Viksnin, I. (2022). “Algorithm for Uniform Coverage of the Monitoring Territory by Unmanned Aerial Vehicles” in LETI Transactions on Electrical Engineering & Computer Science. 2022. Vol. 15, no. 5/6. P. 41–50. doi: 10.32603/2071-8985-2022-15-5/6-41-50. – *in Russian*. [URL](#)
- [O4] **Chuprov, S.**, Gataullin, R., & Viksnin, I. (2021). “Vulnerabilities Assesment in Mobile Robotic Control System” in Proceedings of the St. Petersburg State Electrotechnical University LETI, vol. 10, pp. 70-75. – *in Russian*. [URL](#)
- [O5] **Chuprov, S.** (2020). “Intersection Management Tasks Application in Mobile Robotic System with Autonomous Vehicle Models” in Saint-Petersburg’s Government Grant Award Winners, pp. 68-74. [URL](#)
- [O6] **Chuprov, S.** (2020). “Reputation, Trust, and Data Quality Concept for Security and Safety Assurance in a Group of Autonomous Vehicles” in IX Young Scientists Congress Proceedings, Electronic Edition. [URL](#)
- [O7] **Chuprov, S.** (2019). “Security Assurance of Mobile Robotic Systems with Decentralized Control” in 2019 ITMO University Annotated Master’s Research Thesis Proceedings, pp. 66-72. [URL](#)
- [O8] **Chuprov, S.**, Viksnin, I., & Kim, I. (2019). “Organization of Safe Intersections Passage by Unmanned Vehicles in a Mobile Robotic System” in VIII Young Scientists Congress Proceedings, Electronic Edition. [URL](#)
- [O9] **Chuprov, S.**, Viksnin, I., Kim, I., & Usova, M. (2019). “Secure Intersection Management Passage with a Group of Autonomous Vehicles in Mobile Robotic System with Decentralized Control” in ITMO University Young Scientists Almanac, vol. 2, pp. 43-48. [URL](#)
- [O10] **Chuprov, S.**, Viksnin, I., & Usova, M. (2018). “Police Office Model with Partial Decentralized Control in Mobile Robotic System” in Regional Informatics and Information Secutity SPOISU Proceedings, vol. 6, pp. 245-249. [URL](#)

Presentations, posters, forums, workshops, and seminars w/o publications:

- [NP1] **Chuprov, S.** (2024). “Security and Robustness of Machine Learning under Vulnerable Cyberinfrastructure and Varying Data Quality” at [From Theory to Practice \(T2P\)](#) Workshop, 15-19 April 2024, Kigali, Rwanda – *Remote presentation*.
- [NP2] **Chuprov, S.**, Zatsarenko, R., & Reznik, L. (2024). “Improving Federated Learning Robustness towards Security Violations and Data Quality Degradations OR How to Learn Better via Extracting Knowledge and Accumulating History?” at [UPSTAT 2024](#), 12-13 April 2024, Rochester, NY, USA.

- [NP3] **Chuprov, S.**, & Reznik, L. (2023). “FLAME: Federated Learning against Malicious Engineering. Employing Trust and Reputation to Enhance Learning Security and Privacy” at Rochester Security Summit (RSS:2023), 25-26 October 2023, Rochester, NY, USA.
- [NP4] **Chuprov, S.**, Reznik, L., & Zatsarenko, R. (2023). “MLIN or How to Make Networks and ML Applications Work Together in Real Conditions?” at First IEEE Upstate New York Workshop on Secure and Sustainable Communications Networks (SSCN), 10 October 2023, Rochester Institute of Technology, Rochester, NY, USA.
- [NP5] **Chuprov, S.**, Reznik, L., & Zatsarenko, R. (2023). “FLAME: Federated Learning against Malicious Engineering. Employing Trust and Reputation to Enhance Learning Security and Privacy” at Eastern Great Lakes (EaGL) Theory Computation Workshop 2023, 30 September – 1 October 2023, University of Rochester, Rochester, NY, USA.
- [NP6] **Chuprov, S.**, Reznik, L., & Memon, M. (2023). “Enhancing Federated Learning Security with Reputation and Trust-Based Indicators” at UPSTAT 2023, 21–22 April 2023, Rochester Institute of Technology, Rochester, NY, USA.
- [NP7] **Chuprov, S.**, Reznik, L., Bhatt, K.M., & Memon, M. (2023). “Discovering and Addressing Privacy and Robustness Flaws in Federated Learning” at the Great Lakes Security Day (GLSD) 2023, 21 April 2023, Rochester Institute of Technology, Rochester, NY, USA.
- [NP8] **Chuprov, S.** (2022). “Discovering and Addressing Privacy and Robustness Flaws in Federated Learning” at the Research Idea Ring (RIR) in Computer Science, 17 November 2022, Rochester Institute of Technology, Rochester, NY, USA.
- [NP9] **Chuprov, S.**, & Reznik, L. (2021). “Reputation and Trust Models with Data Quality Metrics for Improving Autonomous Vehicles Traffic Security and Safety” at Great Lakes Security Day (GLSD) 2021 Online, 12 November 2021, Rochester, NY, USA. – *Poster session*.
- [NP10] **Chuprov, S.** (2020). “Security and Safety Approaches to “Soft” Attacks Detection in Intelligent Systems and IoT” at Technology Development Trend of Intelligent Internet online workshop, 4 December 2020, Saint-Petersburg, Russia.
- [NP11] **Chuprov, S.** (2020). “Reputation and Trust Approach for Cyber-physical Systems Security and Safety Assurance” at ITMO University’s XLIX Research, Educational and Methodical Conference, 29 January 2020 - 1 February 2020. Saint-Petersburg, Russia.
- [NP12] **Chuprov, S.** (2019). “Secure and Optimal Intersections’ Traversal by a Group of Autonomous Vehicles in Mobile Robotic System” at Saint-Petersburg’s Academic and Industrial Institutions Students’ Grant Award Winners Round Table Discussion “Natural and Exact Sciences”, 6th December 2019. Saint-Petersburg, Russia.
- [NP13] **Chuprov, S.** (2019). “Reputation and Trust-based Approach for Security and Safety Assurance in a Group of Autonomous Vehicles” at Huawei Trust Worthy Software Technology Forum, 28 - 29 November 2019. Saint-Petersburg, Russia.
- [NP14] **Chuprov, S.** (2019). “Multi-Agent Physical Testbed for Smart City’s Control and Security Algorithms Verification” at Geek Picnic, 11 - 12 July 2019. Saint-Petersburg, Russia.
- [NP15] **Chuprov, S.** (2018). “Multi-agent Systems Laboratory Current Research Projects” at Saint-Petersburg’s International Youth Forum 6.0, 1 December 2018. Saint-Petersburg, Russia.