

**PROGRAM of the XII International Conference Security of Information and Networks (SIN 2019)
September 12-15, 2019, Marins Park Hotel, Morskoy lane 2, Sochi, Russia**

	Thursday 12.09.2019 Conference hall Yalta	Friday 13.09.2019 Conference hall Yalta
9:00	Registration	
9:15	Welcome Liudmila Babenko	
9:30	Keynote: Igor V. Kotenko, SPII RAS, St. Petersburg Situational Awareness for Cyber Defense: Security Analysis, Attack Modeling and Selection of Countermeasures	Keynote: Igor Sokolov
10:00	Session I: Network Security and Protocols Session Chair: Igor Kotenko Andrey Ragozin, Vladimir Telezhkin, Pavel Podkorytov Forecasting complex multi-component time series within systems designed to detect anomalies in dataflows of industrial automated systems	Session IV: Computational intelligence techniques in security Session Chair: Atilla Elci Alexey Shniperov, Aleksandra Prokofieva Steganalysis Method of Static JPEG Images Based on Artificial Immune System
10:15	Ludmila Babenko, Ilya Pisarev, Elena Popova Cryptographic Protocols Implementation Security Verification Of The Electronic Voting System Based On Blind Intermediaries	Hope Eke, Andrei Petrovski, Hatem Ahriz The Use of Machine Learning Algorithms for Detecting Advanced Persistent Threats
10:30	Coffee Break	
10:45		
11:00	Vasiliy Krundyshev, Maxim Kalinin Hybrid neural network framework for detection of cyber attacks at smart infrastructures	Alexander N. Sokolov, Andrey N. Ragozin, Ilya A. Pyatnitsky, Sergei K. Alabugin Applying of Digital Signal Processing Techniques to Improve the Performance of Machine Learning-based Cyber Attack Detection in Industrial Control System
11:15	Vitaly Lapshichyov, Oleg Makarevich TLS certificate as a sign of establishing a connection with the network Tor	Anubha Parashar, Rajveer Singh Shekhawat, Apoorva Parashar Surveillance System to Provide Secured Gait Signatures for Multi View Angles Using Deep Learning
11:30	Igor Kotenko, Igor Saenko, Yury Sineshchuk, Valery Kuvatov, Oleg Chudakov Optimization of the Cyber Security System Structure based on Accounting of the Prevented Damage Cost	Session V: Cryptographic techniques and key management I Session Chair: Sergey Panasenko Antonina Komarova, Anatoly Korobeynikov Combined Authentication Schemes with Increasing Level of Resistance and Methods for Improving the Security of Electronic Signature Schemes
		Conference hall Sochi Session VI: Data Analytics for Cyber Security Session Chair: Alexander Tselykh Alexander Tselykh, Vladislav Vasilev, Larisa Tselykh Managing influence in complex systems to ensure safety of their operation
11:45	Yaroslav Tarasov, Ekaterina Pakulova, Oleg Basov Modeling of Low-Rate DDoS-Attacks	Kunbolat Algazy, Ludmila Babenko, Rustem Biyashev, Evgeniya Ishchukova, Nursulu Kapalova, Saule Nyssanbayeva Investigation of the Different Implementations for the New Cipher Qamal
		Stanislav Belyakov, Alexander Bozhenyuk, Olesiya Kosenko, Evgeny Kosenko Evaluation of Information Reliability of Complex Systems Using Intuitionistic Fuzzy Graphs
12:00	Dmitriy Levonevskiy, Fedor Novikov, Ludmila Fedorchenko, Irina Afanasieva Verification of Internet Protocol Properties Using Cooperating Automaton Objects	Valeriy Osipyan, Kirill Litivnov, Raphael Bagdasaryan, Elena Lukashchik, Sergey Sinitsa, Arseny Zhuk Development of Information Security System Mathematical Models by the Solutions of the Multigrade Diophantine Equation Systems
		Stanislav Belyakov, Alexander Bozhenyuk, Marina Savelyeva, Marina Belyakova Safety Analysis of the Flow of Cartographic Data with Defects
12:15	Karim Lounis, Mohammad Zulkernine Bad-Token: Denial of Service Attacks on WPA3	
12:30	Lunch break & Poster Session	
13:00		
13:30	Session II: Access control and intrusion detection Session Chair: Evgeniy Abramov Vyacheslav V. Zolotarev, Alina O. Povazhnyuk, Ekaterina A. Maro Liveness Detection Methods Implementation to Face Identification Reinforcement in Gaming Services	Keynote: Siddika Berna Örs Yalçın, Istanbul Technical University, Istanbul, Turkey System on Chip Design for Secure Internet of Things
13:45	Daoud Mohamed Amine, Dahmani Youcef, Mostefaoui Kadda IDS-DL: A Description Language for Detection System in Cloud Computing	
14:00	Ekaterina Pakulova, Artem Ryndin, Oleg Basov Multi-path multimodal authentication system for remote information system	Session VII: Cryptographic techniques and key management II Session Chair: Sergey Panasenko Andrey Krasovskiy, Ekaterina Maro Actual and Historical State of Side Channel Attacks Theory
14:15	Abdul Ashraf, Ron Poet Is it Better to Choose Seen or Unseen Distracters for Graphical Passwords	Kirill Borisov, Irina Lubushkina, Sergey Panasenko Adaptation of an Authentication Protocol Based on Asymmetric Keys for Use in UAV C2 Link Security Systems
14:30	Igor Kotenko, Nikolay Komashinsky Combining Spark and Snort Technologies for Detection of Network Attacks and Anomalies: Assessment of Performance for the Big Data Framework	
14:45	Coffee Break	
15:00		
15:15	Session III: Security of Cyber Physical Systems Session Chair: Elena Basan Elena Basan, Oleg Makarevich, Evgeny Abramov, Dmitry Popov Analysis of the Initial Security of the Robotics System	Session VIII: Security Education Session Chair: Evgeniya Ishchukova Evgeniya Ishchukova, Ekaterina Maro, Gennady Veselov Development of information security quest based on use of information and communication technologies
15:30	Anil Saini, Shreyansh Sharma, Palash Jain, Vikash Sharma A Secure Priority Vehicle Movement based on Blockchain Technology for Connected Vehicles	
15:45	Denis Chernov, Alexey Sychugov Method of identifying and assessing of automated process control systems vulnerable elements	Closing Ceremony Atilla Elci

13.09.2019 Gala dinner will be held at 18:00

14.09.2019 Excursion to Krasnaya Polyana at 9:00