Program of the second International scientific school
"Incident management and countering targeted cyber-physical attacks in distributed large-scale critical systems",
SPIIRAS, St. Petersburg, October 31 - November 2, 2016

October 31

Timing	Title of presentation	Presenter
9.00-9.30	Registration of the participants	
9.30-9.50	Welcoming speeches	Prof. Dr. Rafael M. Yusupov, Corresponding Member of the RAS, Director of SPIIRAS (Russia)
Session 1.1. Room 401. Chair - Prof. Dr. Igor V. Kotenko		
10.00-10.50	Analysis and visualization of security metrics for cyber situational awareness in distributed large-scale mission-critical systems	Prof. Dr. Igor V. Kotenko, Head of the Laboratory of Computer Security Problems, SPIIRAS (Russia)
11.00-11.50	Approach to creation of an intelligent system for support and decision making on risk prevention of info-technical influences on objects of a critical informational infrastructure	Prof. Dr. Denis N. Birukov, Professor of Data Collection and Processing Systems Department, A.F.Mozhaisky Military Space Engineering Academy (Russia)
12.00-13.00	Lunch	
Session 1.2. Room 401. Chair – Prof. Dr. Igor B. Saenko		
13.00-13.50	Research and development of heuristic malware detection mechanisms	Andrew G. Mackiewicz, Ph.D., Alexander V. Kozachok, Ph.D., Academy of Federal Security Guard Service of Russian Federation, Orel (Russia)
14.00-14.50	Methods of artificial intelligence for operative identification of the information security state	Sergey A. Ageev, PhD, Budyonny Military Academy of the Signal Corps (Russia)
14.50-15.10	Coffee-break	
Session 1.3. Room 401. Chair – Dr. Andrey A. Chechulin		
15.10-16.00	Cisco Systems approach to Information Security organization in infrastructure of a company	Igor A. Ushakov, Senior Lecturer, Department of Secure Communication Systems, Bonch-Bruevich St. Petersburg State University of Telecommications, Certified Instructor of Cisco, VMware, Microsoft (Russia)
16.10-17.00	Models and techniques for development of secure Internet of Things systems	Vasily A. Desnitsky, PhD, Senior Research Fellow, Laboratory of Computer Security Problems, SPIIRAS (Russia)

November 1

Timing	Title of Presentation	Presenter
Session 2.1. Room 401. Chair – Dr. Andrey A. Chechulin		
10.00-10.50	Application of the topological transformation of stochastic networks to model computer attacks and evaluation of cyber resistance	Oleg S. Lauta, PhD, Budyonny Military Academy of the Signal Corps (Russia)
11.00-11.50	Security evaluation of information systems based on open standards	Elena V. Doynikova, Research Fellow, Laboratory of Computer Security Problems, SPIIRAS (Russia)
12.00-13.00	Lunch	
Session 2.2. Room 401. Chair – Prof. Dr. Igor B. Saenko		
13.00-13.50	Ensuring security of communication channels in wireless sensor networks and telemetering systems	Konstantin S. Mulyarchik, PhD, Associate Professor, Department of Telecommunications and Information Technologies, Belarusian State University (Belarus)
14.00-14.50	Design and information assurance of wireless computer networks	Viktor P. Kochin, PhD, Deputy. Head of the Center for Information Technology, Belarusian State University (Belarus)
14.50-15.10	Coffee-break	
Session 2.3. Room 401. Chair – Dr. Vasily A. Desnitsky		
15.10-16.00	Design and analysis of means for automatic web content classification to protect against undesirable information in Internet	Andrey A. Chechulin, PhD, Senior Research Fellow, Laboratory of Computer Security Problems, SPIIRAS (Russia)
16.10-17.00	Methods and models for monitoring, visualization of computer network security	Maxim V. Kolomeets, Software Developer, Laboratory of Computer Security Problems, SPIIRAS (Russia)

November 2

Timing	Presentation	Presenter
Session 3.1. Room 401. Chair – Prof. Dr. Igor V. Kotenko		
10.00-10.50	Protecting the internet of micro-things	Julien Bourgeois, Professor, PhD, University of Franche-Comte, Institut FEMTO-ST (France)
11.00-11.50	Reconciling the Clash of Security Goals: Websites vs. Browser Extensions	Andrei Sabelfeld, Professor, PhD, Chalmers University of Technology, Gothenburg University (Sweden)
12.00-13.00	Lunch	
Session 3.2. Room 401. Chair – Dr. Vasily A. Desnitsky		
13.00-13.50	EU-funded research activities in the Cyber Security and related domains	Alexey Kirichenko, F-Secure Corporation (Finland)
14.00-14.50	Protection of clouds against targeted attacks	Alexander S. Adamov, NioGuard Security Lab and Kharkov National University of Radio Electronics (KNURE), Kharkov (Ukraine)
14.50-15.10	Coffee-break	
15.10-16.00	Language-based security	Andrei Sabelfeld, Professor, PhD, Chalmers University of Technology, Gothenburg University (Sweden)
16.00-16.10	Concluding remarks	