MMM-ACNS 2007 Preliminary Program

16:00-19:00   **Registration** (in venue)

8:30 - 19:00   **Registration**
9:10 - 9:30   **Opening Session**
9:30 - 10:20   **Invited Talk (Academy track)**

> Chairman: *Vladimir Gorodetsky* (Russia)
>
> *Paulo Verissimo* (University of Lisboa, Portugal).
>
> Assumptions: the Trojan Horses of secure protocols.

10:20 - 10:45   **Coffee and Networking Break**

10:45 - 11:25   **Invited Talk (Industry track)**

> Chairman: *Igor Kotenko* (Russia)
>
> *Jean-Daniel Aussel* (Gemalto, France)
>
> Smart Cards and Digital Security.

11:25 - 13:05   **Session 1.1. Authentication, Authorization and Access control**

> Chairman: *Paulo Verissimo* (Portugal)

11:25 - 11:50   *Gérard Boudol and Marija Kolundžija* (France). Access Control and Declassification.
11:50 - 12:15   *Shiu-Kai Chin and Susan Older* (USA). Reasoning About Delegation and Account Access in Retail Payment Systems.
12:15 - 12:40   *Valery Korzhik, Viktor Yakovlev, Guillermo Morales-Luna, and Roman Chesnokov* (Russia, Mexico). Performance Evaluation of Keyless Authentication Based on Noisy Channel.
12:40 - 13:05   *Harry Rowe and Jason Crampton* (UK). Avoiding Key Redistribution in Key Assignment Schemes.

13:15 - 14:45   **Lunch**

14:45 - 15:30   **Session 1.2. Authentication, Authorization and Access control**

> Chairman: *Shiu-Kai Chin* (USA)

14:45 - 15:00   *E. Freudenthal, D. Herrera, S. Gutstein, R. Spring, and L. Longpré* (USA). Fern: An updatable authenticated dictionary suitable for distributed caching.

15:00 - 15:15	*Nikolay Moldovyan and Alexander Moldovyan* (Russia). Class of Provably Secure Information Authentication Systems.
15:15 - 15:30	*Manoj Sastry, Ram Krishnan, and Ravi Sandhu* (USA). A New Modeling Paradigm for Dynamic Authorization in Multi-Domain Systems.
15:30 - 16:45	**Session 2. Language-based Security, Trust Management and Covert Channels**
	Chairman: *Andrei Sabelfeld* (Sweden)
15:30 - 15:55	*Franck Cassez, John Mullins, and Olivier H. Roux* (France). Synthesis of Non-Interferent Distributed Systems.
15:55 - 16:20	*Changyu Dong, Giovanni Russello, and Naranker Dulay* (UK). Privacy-Preserving Credential Verification for Non-monotonic Trust Management Systems.
16:20 - 16:45	*Alexander Grusho, Nick Grebnev, and Elena Timonina* (Russia). Covert channel invisibility theorem.
16:50 - 17:15	**Coffee and Networking Break**
17:15 - 17:45	**Session 3. Watermarking**
	Chairman: *Christian Collberg* (USA)
17:15 - 17:30	*Dumitru D. Burdescu, Liana Stanescu, Anca Ion, and Cristian M. Mihaescu* (Romania). A Spatial Watermarking Algorithm for Video Images.
17:30 - 17:45	*Ernő Jeges, Zoltán Hornák, Gergely Eberhardt, and Zoltán Nagy* (Hungary). Watermarking software to signal copy protection.
17:50 - 18:50	**Venue tour**
19:00 -21:00	**Reception**

September 14, Friday

9:00 -19:00	**Registration**
9:30 -10:20	**Invited Talk (Academy track)**
	Chairman: *Victor Skormin* (USA)
	Angelos D. Keromytis (Columbia University, USA) Characterizing Software Self-Healing Systems.
10:20 -10:45	**Coffee and Networking Break**
10:45 - 11:25	**Invited Talk (Industry track)**
	Chairman: *Jean-Daniel Aussel* (France)
	Mauricio Sanchez (ProCurve Networking, HP, USA)
	Virus Throttle as basis for ProActive Defense.
11:25 -13:05	**Session 4.1. Intrusion detection and prevention**
	Chairman: *Angelos D. Keromytis* (USA)
11:25 -11:50	*V.Gorodetsky, O.Karsaev, V.Samoylov, and S.Serebryakov* (Russia). Multi-Agent Peer-To-Peer Intrusion Detection.
11:50 -12:15	*Elżbieta Nowicka and Marcin Zawada (Poland).* An Interval Temporal Logic-Based Matching Framework for Finding Occurrences of Multi-event Attack Signatures.
12:15 -12:40	*V. Skormin, O. Shiryayeva, A. Tokhtabayev, and J. Moronski* (USA, Kazakhstan). Towards Fully Automatic Defense Mechanism for a Computer Network Emulating Active Immune Response.
12:40 -13:05	*A. Tokhtabayev, A. Altaibek, V. Skormin, and U. Tukeyev* (Kazakhstan, USA). A Novel Intrusion Detection System for a Local Computer Network.
13:15 -14:45	**Lunch**

14:45 -16:45	**Session 5. Security Verification and Evaluation**
	Chairman: *Wojciech Molisz* (Polland)
14:45 -15:10	*Vitaly Bogdanov and Igor Kotenko* (Russia). Policy-based Proactive Monitoring of Security Policy Performance.
15:10 -15:35	*David J. Leversage and Eric J. Byres* (Canada). Comparing Electronic Battlefields: Using Mean Time-to-Compromise as a Comparative Security Metric.
15:35 -16:00	*Peter Ochsenschläger and Roland Rieke* (Germany). Abstraction Based Verification of a Parameterised Policy Controlled System.
16:00 -16:15	*Cataldo Basile, Alberto Cappadonia, and Antonio Lioy* (Italy). Algebraic Models to Detect and Solve Policy Conflicts.
16:15 -16:30	*Artem Tishkov, Ekaterina Sidelnikova, and Igor Kotenko* (Russia). Event Calculus based Checking of Filtering Policies.
16:30 -16:45	*Peter D. Zegzhda, Dmitry P. Zegzhda, and Maxim O. Kalinin* (Russia). A New Approach to Security Evaluation of Operating Systems.
16:50 - 17:15	**Coffee and Networking Break**
17:15 - 19:45:	**City tour**
20:00 - 23:00	**Workshop dinner**

September 15, Saturday

9:00 -12:00	**Registration**
9:30 -10:20	**Invited Talk (Academy track)**
	Chairman: *Igor Kotenko* (Russia)
	Christian Collberg (University of Arizona, USA) Surreptitious Software: Models from Biology and History.
10:20 -10:45	**Coffee and Networking Break**
10:45 - 11:25	**Invited Talk (Industry track)**
	Chairman: *Mauricio Sanchez* (USA)
	Victor Serdiouk (Joint Stock Company "DialogueScience", Russia)
	Technologies for protection against insider attacks on computer systems.
11:25 -13:10	**Session 6.** Network Survivability and Privacy
	Chairman: *Alexander Grusho* (Russia)
11:25 - 11:50	*Luc Longpré, Gang Xiang, Vladik Kreinovich, and Eric Freudenthal* (USA). Interval Approach to Preserving Privacy in Statistical Databases: Related Challenges and Algorithms of Computational Statistics.
11:50 - 12:15	*Jacek Rak and Wojciech Molisz* (Polland). Fast Service Restoration under Shared Protection at Lightpath Level in Survivable WDM Mesh Grooming Networks.
12:15 - 12:40	*Krzysztof Walkowiak* (Polland). Anycast Communication – A New Approach to Survivability of Connection-Oriented Networks.
12:40 - 12:55	*Giorgos Karopoulos, Georgios Kambourakis, and Stefanos Gritzalis* (Greece). Privacy Preserving Context Transfer in All-IP Networks.
12:55 - 13:10	*Mohit Virendra, Arunn Krishnamurthy, Krishnan Narayanan, Shambhu Upadhyaya, and Kevin Kwiat* (USA). Environment-Aware Trusted Data Delivery in Multipath Wireless Protocols.
13:15 -14:45	**Lunch**
14:45 -15:40	**Session 4.2. Intrusion detection and prevention**
	Chairman: *Shambhu Upadhyaya* (USA)

14:45 - 15:10	*Alexander O. Tarakanov (Russia).* Mathematical Models of Intrusion Detection by an Intelligent Immunochip.
15:10 - 15:25	*Bartłomiej Balcerek, Piotr Dragan, Bogdan Trawiński, and Marcin Wojtkiewicz* (Poland). Investigation of the Effectiveness of Alert Correlation Methods in a Policy-based Security Framework.
15:25 - 15:40	*Pyotr Zegzhda and Semyon Kort* (Russia). Host-based Intrusion Detection System: model and design features.

15:45 - 17:15 **Panel Discussion**

Chairman: *Victor Skormin* (USA)

New Trends and Challenges in Computer Network Security

Panelists: *Jean-Daniel Aussel, Christian Collberg, Vladimir Gorodetsky, Angelos D. Keromytis, Igor Kotenko, Mauricio Sanchez, Victor Serdiouk*

17:15 - 17:35 **Closing Session**

17:35 - 18:15 **Coffee and Networking Break, Farewell party**