

The Announcement and Call for Papers

International Conference "Mathematical Methods, Models and Architectures for Computer Networks Security" (MMM-ACNS-07)

September 13-15, 2007, St. Petersburg, Russia

<http://www.comsec.spb.ru/mmm-acns07/>

Sponsors:

1. Office of Naval Research Global, USA
2. European Office of Aerospace Research and Development USAF, USA
3. Russian Foundation for Basic Research

Organizers:

- St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences (SPIIRAS)
- St. Petersburg Scientific Center of the Russian Academy of Sciences
- Binghamton University (State University of New York)

Title and scope:

The First, Second and Third International Workshops "Mathematical Methods, Models and Architectures for Computer Networks Security" (MMM-ACNS-2001 (<http://space.ias.spb.ru/mmm2001/main.jsp>), MMM-ACNS-2003 (<http://space.ias.spb.ru/mmm-acns03/index.jsp>) and MMM-ACNS-2005 (<http://space.ias.spb.ru/mmm-acns05/index.jsp>)) organized in 2001, 2003 and 2005 respectively by St. Petersburg Institute for Informatics and Automation, Binghamton University (SUNY) and supported by the European Office of Aerospace Research and Development USAF, Office of Naval Research Global, and Russian Foundation for Basic Research were very successful.

These workshops demonstrated the high interest of the international scientific community to the theoretical aspects of the computer network and information security and the need for conducting of such workshops as on-going series.

The proposed MMM-ACNS-2007 Conference is intended as a next step in this series and will be focused on theoretical problems in the area under consideration.

Its objectives are to bring together leading researchers from academia and governmental organizations as well as practitioners in the area of computer networks and information security, facilitating personal interactions and discussions on various aspects of information technologies in conjunction with computer network and information security problems arising in large-scale computer networks engaged in information storing, transmitting, and processing.

Topics of interest:

Papers offering novel research contributions to the theoretical aspects of the computer network and information security are solicited for submission.

Papers may present theory, technique, and applications on topics including but not restricted to:

- Adaptive security
- Authentication, Authorization and Access Control
- Computer and network forensics
- Covert channels
- Data and application security
- Data mining, machine learning, and bio-inspired approaches for security
- Deception systems and honeypots
- Denial-of-service attacks and countermeasures
- Digital Rights Management
- eCommerce, eBusiness and eGovernment Security
- Firewall Technologies
- Formal analysis of security properties
- Information warfare
- Internet and web security
- Intrusion detection and prevention
- Language-based security
- Network survivability
- New ideas and paradigms for security
- Operating system security
- Risk analysis and risk management
- Security and Privacy in Pervasive and Ubiquitous Computing
- Security for Grid Computing
- Security of emerging technologies (sensor, wireless, peer-to-peer and overlay networks)
- Security of autonomous agents and multi-agent systems
- Security modeling and simulation
- Security policies
- Security protocols
- Security verification
- Software protection
- Trust management
- Viruses, worms, and other malicious code
- Vulnerability assessment

Submitting a paper

The conference welcomes original papers from academic, government, and industry contributors on mathematical approaches and models, state-of-the-art techniques, and novel applications in the above proposed areas. All submissions will be subjected to a thorough review by at least three reviewers.

Draft versions of original full papers up to 12 A4 pages in English using at least 11-point fonts with reasonable margins, including abstract (up to 300 words) and keywords (5 to 8), should be

submitted by **April 7, 2007** or sooner through the upload facilities at the Conference web site <http://www.comsec.spb.ru/mmm-acns07/> .

Only electronic submissions in PDF format will be considered.

Authors must also indicate the conference track to which the paper is submitted.

The Program Committee will make the final selection based on peer reviewers' evaluation.

The primary focus is on high-quality original unpublished research, case studies and implementation experiences.

Notification of acceptance/rejection will be disseminated by **May 10, 2007**.

Camera-ready versions of accepted papers (see below) are due **May 30, 2007**.

Proceedings

As in previous MMM-ACNS conferences the Program Committee plans to publish the Conference Proceeding in Springer series "Lecture Notes in Computer Science" (LNCS).

Instructions for authors will be provided at the MMM-ACNS-2007 web site

(<http://www.comsec.spb.ru/mmm-acns07/>).

Camera ready paper submission can be uploaded through the Conference web site at

<http://www.comsec.spb.ru/mmm-acns07/> .

Conference Languages

The working language is English.

Dates of meeting:

Inclusive dates of MMM-ACNS-2007:

September 12-16, 2007 (arrival and registration – on September 12, technical program – on **September 13-15**, departure – on **September 16**)

Important dates

For submission:

Paper drafts: **April 7, 2007**

Acceptance/rejection notification: **May 10, 2007**

Camera ready papers **May 30, 2007**

For registration:

Early registration deadline **August 10, 2007**

On site registration **September 12-15, 2007**

Hotel reservation request: **August 10, 2007**

All materials concerning MMM-ACNS-2007 preparation, program, and other arrangements will be posted on a regularly updated web site <http://www.comsec.spb.ru/mmm-acns07/> .

Conference Co-Chairmen

Corresponding Member of the Russian Academy of Sciences, Prof. **R.M. Yusupov**, Director of the St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences (SPIIRAS)

Phone: 7-(812) 328-33-11 Fax: 7-(812) 328-44-50

E-mail: spiiran@mail.ias.spb.su

Dr. **Robert L. Herklotz**, Program Manager: Software and Systems
US Air Force Office of Scientific Research

Phone: +1-(703) 696-6565, Fax: +1-(703) 696-8450

E-mail: robert.herklotz@afosr.af.mil

Local contact person

Irina Podnozova

Phone 7-(812)-328-44-46 Fax: +7(812)-328-06-85

E-mail ipp@mail.ias.spb.su

Local Organizing Committee

Chairman

R.M. Yusupov, Director of the St. Petersburg Institute for Informatics and Automation (SPIIRAS)

Organizing Committee members:

- A.Tkatch (SPIIRAS, St. Petersburg, Vice Chairman)
 - D.Bakuradze (SPIIRAS, St. Petersburg)
 - V.Bogdanov (SPIIRAS, St. Petersburg)
 - O.Chervatuk (SPIIRAS, St. Petersburg)
 - V.Desnitsky (SPIIRAS, St. Petersburg)
 - O.Karsaev (SPIIRAS, St. Petersburg)
 - V.Konushy (SPIIRAS, St. Petersburg)
 - E.Mankov (SPIIRAS, St. Petersburg)
 - I.Podnozova (SPIIRAS, St. Petersburg)
 - V.Samoilov (SPIIRAS, St. Petersburg)
 - E.Sidelnikova (SPIIRAS, St. Petersburg)
 - A.Tishkov (SPIIRAS, St. Petersburg)
 - A.Ulanov (SPIIRAS, St. Petersburg)
 - V.Vorontsov (SPIIRAS, St. Petersburg)
-

Program Committee

Co-Chairmen:

- Vladimir Gorodetsky (SPIIRAS, Russia)
- Igor Kotenko (SPIIRAS, Russia)
- Victor Skormin (Binghamton University, USA)

Program Committee members:

- Julien Bourgeois (France)
- David Chadwick (UK)
- Shiu-Kai Chin (USA)
- Howard Chivers (UK)
- Christian Collberg (USA)
- Dipankar Dasgupta (USA)
- Naranker Dulay (UK)
- Dieter Gollmann (Germany)
- Dimitris Gritzalis (Greece)
- Stefanos Gritzalis (Greece)
- Alexander Grusho (Russia)
- Ming-Yuh Huang (USA)
- Sushil Jajodia (USA)
- Angelos Keromytis (USA)
- Victor Korneev (Russia)
- Klaus-Peter Kossakowski (Germany)
- Christopher Kruegel (Austria)
- Antonio Lioy (Italy)
- Javier Lopez (Spain)
- Fabio Martinelli (Italy)
- Catherine Meadows (USA)
- Nasir Memon (USA)
- Ann Miller (USA)
- Nickolay Moldovian (Russia)
- Wojciech Molisz (Poland)
- David Nicol (USA)
- Yoram Ofek (Italy)
- Monika Oit (Estonia)
- Udo Prayer (Austria)
- Bart Preneel (Belgium)
- Roland Rieke (Germany)
- Andrei Sabelfeld (Sweden)
- Ravi Sandhu (USA)
- Anatol Slisenko (France)
- Igor Sokolov (Russia)
- Antonio Gomez Skarmeta (Spain)
- Michael Smirnov (Germany)
- Douglas Summerville (USA)
- Shambhu Upadhyaya (USA)
- Vijay Varadharajaran (Australia)
- Alfonso Valdes (USA)
- Valery Vasenin (Russia)
- Paulo Verissimo (Portugal)
- Diego Zamboni (Switzerland)
- Peter Zegzhda (Russia)

Location of the Meeting, Accommodation, Cultural Program

According to the preliminary agreement, the MMM-ACNS-07 Conference will take place in the historical building "Palace of Grand Prince Vladimir Romanov," now "House of Scientists," located in the heart of St. Petersburg, address: 26, Dvortsovaya emb., St. Petersburg, 191186, Russia. This venue allows the conference organizers to arrange for the Conference itself, as well as for the associated events (informal discussions, reception, breaks, etc.).

All participants are expected to arrive to St. Petersburg directly. Conference organizers intend to arrange for transportation upon arrival and departure and to/from Conference venue/other hotel upon a separate request of participants.

The following assistance in housing could be provided by local organizers. We intend to engage a Destination Management Company "Monomax" to assist participants in housing and cultural programs (<http://monomax.ru/langeng>). It is possible to make reservations at reasonable prices in hotels in the St. Petersburg downtown area from \$120 per night (single room), and from

\$130 per night (double room). Also, reservations in better and more expensive hotels at \$150 - \$600 per night are available (hotels like Astoria, Europe, Radisson SAS, etc.).

For students, the hostel from about \$50 may be organized on special request.

Visa Issues

To come to Russia, all foreign participants will need an entering visa. As a host institution SPIIRAS will handle this issue through a formal invitation letter to every participant.

To issue such a letter, we shall need the following details to include in the above letter for every individual: first name, middle name, surname, date of birth, citizenship, passport No., expiration date (as appear in a valid passport) and the city where the visa is applied in.

In addition, each individual has to fax copy of the first page of his/her passport at +7(812)328-06-85 containing personal data and dates of the passport number and expiry date.

Note that about one month is required only to arrange formal invitation in St. Petersburg. Time for invitation mailing to the addressee and for getting visa at local consulate has to be added to calculate the deadline to be met for receiving request for invitation letter by organizers.

Contact us

Program Committee Co-Chairman

Prof. Igor Kotenko (MMM-ACNS-2007 PC Co-chairman)
Head of Computer Security Research Group
St. Petersburg Institute for Informatics and Automation
of the Russian Academy of Sciences
39, 14th Liniya, St. Petersburg, 199178, Russia
Telephone: +7-(812)-328-2642
Fax: +7-(812)-328-4450
E-mail: mmmacns@comsec.spb.ru

Local contact person

Irina Podnozova
Phone: 7-(812)-328-4446 Fax: +7(812)-328-06-85
E-mail: ipp@mail.ias.spb.su