



NATO - Advanced Study Institute, Nork, Yerevan, Armenia
1-12 October, 2005

Network Security and Intrusion Detection

<http://www.canadiannatomeetings.com/asiarmenia2005/>



Advanced Research Institute (ASI) on the topic of “*Network Security and Intrusion Detection*” will bring together lecturers of international standing to provide instruction on methods, techniques and applications to deal with the issues of Cyber Security.

Objectives

This ASI will serve two main purposes: (1) to provide lectures on most advanced and up-to-date research performed in the world in the domain of cyber security; and (2) to facilitate contact between the specialists in advanced research centres of NATO and Partner countries, specifically Armenia and other former Soviet republics.

Topics

Speakers cognisant in the following topics have been invited:

- Intrusion prevention, detection, and response systems,
- Network perimeter controls (firewalls, packet filters, application gateways), Virtual private networks,
- Securing Internet and Infrastructure Protection (DNS, DoS, etc) Routing security in communication networks, Radio Frequency Identification and Fingerprinting.
- Fundamental services on network and distributed systems (authentication, data integrity, confidentiality, authorization, non-repudiation, reliability, and availability),
- Integrating security services with system and application security facilities and protocols (message handling, file transport/access, directories, time synchronization, data base management, boot services, mobile computing),
- Security for emerging technologies (sensor networks, specialized testbeds, wireless, ad hoc and mobile networks, personal communication systems, peer-to-peer and overlay network systems),

- Tradeoffs between security and efficiency, usability, reliability and cost. Software hardening (detecting and defending against software bugs, and buffer overflows)
- Mathematical, theoretical aspects of steganography, information hiding, guessing, quantum cryptography, phone systems security (struggle against fraud)

The ASI will last 11 working days from 1-12 October 2005 (the eighth day will feature a choice of excursion venues), and will be held in the picturesque Nork suburb of Yerevan, the capital of Armenia in the hotel Regineh <http://www.hotelregineh.am/> .

Currently, for the purposes of NATO ASIs, participants can come from:

NATO countries: Belgium, Bulgaria, Canada, Czech Republic, Denmark, Estonia, France, Germany, Greece, Hungary, Iceland, Italy, Latvia, Lithuania, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Turkey, UK, USA

Partner countries: Albania, Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyz Republic, Moldova, Russian Federation, Tajikistan, the former Yugoslav Republic of Macedonia (Turkey recognizes the Republic of Macedonia with its constitutional name), Turkmenistan, Ukraine, Uzbekistan

Mediterranean Dialogue countries: Algeria, Egypt, Israel, Jordan, Mauritania, Morocco, Tunisia

Updated information about this ARW can be obtained by accessing the website at

<http://www.canadiannatomeetings.com/asiarmenia2005/index.htm>

In particular, this Website provides the latest Information on:

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|----------------------|----------------|
| Organizing committee | Programme |
| Important dates | Location |
| Registration | Transportation |