

**Title: 4<sup>th</sup> IEEE International Workshop on Network Technologies for Security, Administration and Protection (NETSAP 2012)**

**Workshop Organizers:**

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**Goal of the Workshop:**

This workshop aims to discuss and advance research and development of practical systems to fight against cyber attacks. The workshop focuses on development of practical systems and methodologies including measurement and analysis of real traffic and also privacy issues about network monitoring. The workshop addresses researchers from different disciplines in academia and industry, as well as practitioners, who share interests in countermeasures against cyber attacks.

**Theme of the Workshop:**

Because of recent expansion of cyber attacks, many organizations and persons have been affected their activities on Internet. DDoS attacks to governmental sites, online trading/shopping sites are typical examples that many people can not access to their desired information. Furthermore there are many online services which offer DDoS attacks, so that attackers easily intimidate organizations to perform DDoS attacks.

Increase of targeted attacks and variant explosion of malwares make security systems difficult to detect such malicious activities. As the results, incidents of information leakages have silently and frequently occurred in many organizations.

In order to take countermeasures against the attacks, various types of systems have been proposed in literature. Although benchmark results and simulation experiments could show their good performance, most of the method could not be practically applicable to the real environment. Basically, this gap between in theory and practice is caused by too much benchmark-optimization on algorithms or by unrealistic assumptions on simulation settings.

In this workshop, we focus on practical systems to fight against cyber attacks. Mechanisms, algorithms and strategies that are used in the real field will be discussed. Measurement and analysis of real traffic is also welcomed for aiming at new direction of the future research. In addition to the practical systems, we would like discuss on privacy issues about network monitoring.

**Scope of the Workshop (Call-for-Papers):**

Any submission whose content is relevant to the area of resource-aware system design will be considered, but any submission whose subject matter is related to one of the following topics will be particularly welcome:

- Intrusion Detection
- DoS Attack Detection and Protection
- Malware Analysis
- IP Traceback

- Computer Forensics
- Countermeasures against Advanced Attacks
- Privacy in Network Monitoring
- Trustworthy
- Cryptography
- Secure computing

**Program Committee:** (approval pending)

- Heejo LEE, Korea University, Korea
- Corrado LEITA, Symantec, France
- Hiroki NOGAWA, the University of Tokyo, Japan
- Hiroki Takakura, Nagoya University, Japan
- Jungsuk Song, Korean Institute of Science and Technology, Korea
- Keiji TAKEDA, Keio University, Japan

**Important Dates:**

Deadline for paper submission: March 20<sup>th</sup>, 2013  
Notification of acceptance: April 21<sup>th</sup>, 2013  
Camera-ready due: May 5<sup>th</sup>, 2013

**Submission:**

Papers must be submitted electronically via the NETSAP 2013 Submission Page at <http://myreview.cs.iastate.edu/NETSAP2013>. The format of submitted papers should follow the guidelines for the IEEE conference proceedings. All papers will be carefully reviewed by at least three reviewers. Papers should be no more than 6 pages. Accepted papers will be published in the workshop proceedings of COMPSAC 2013, by the IEEE Computer Society Press. At least one of the authors of each accepted paper must register as a participant of the workshop and present the paper at the workshop, in order to have the paper published in the proceedings.

**Expected number of workshop sessions:**

2 sessions

**Information on the previously organized Workshops (if any).**

NETSAP 2010 (7 submissions, 4 accepted, 57% acceptance ratio, 15 attendees)  
NETSAP 2011 (8 submissions, 4 accepted, 50% acceptance ratio, 30 attendees)  
NETSAP 2012 (10 submissions, 6 accepted, 60% acceptance ratio, 30 attendees)