

SecureComm 2007 Conference Program

*The program schedule is tentative and is subject to change.

DAY 1

September 18, 2007 Morning

09:00 - 09:15 **Introduction**

09:15 - 10:15 **Keynote Talk: EVOLUTION OF NETWORKING: CURRENT PROBLEMS AND FUTURE DIRECTIONS**

Pekka Nikander (Ericsson Research, Nomadic Lab)

10:15 - 10:30 Coffee Break

10.30 – 12:15 Session 1: INTRUSION DETECTION and MALWARE PROPAGATION

Session Chair: Pekka Nikander

OPENFIRE: USING DECEPTION TO REDUCE NETWORK ATTACKS

Kevin Borders, Laura Falk and Atul Prakash

MODELING AND DETECTION OF COMPLEX ATTACKS

Seyit Ahmet Camtepe and Bulent Yener

INTRUSION DETECTION TECHNOLOGY BASED ON CEGA-SVM

yuxin wei and muqing wu

MISLEADING AND DEFEATING IMPORTANCE-SCANNING MALWARE PROPAGATION

Guofei Gu, Zesheng Chen, Phillip Porras and Wenke Lee

12:15 - 01:45 Lunch

September 18, 2007 Afternoon

01:45 - 03:30 Session 2: PEER-TO-PEER APPLICATIONS

Session Chair: Pietro Michiardi

A BITTORRENT-DRIVEN DISTRIBUTED DENIAL-OF-SERVICE ATTACK

Jerome Harrington, Corey Kuwanoe and Cliff Zou

PARAMETERIZING ACCESS CONTROL FOR HETEROGENEOUS PEER-TO-PEER APPLICATIONS

Ashish Gehani and Surendar Chandra

SECURING PSEUDO IDENTITIES IN AN ANONYMOUS PEER-TO-PEER FILE-SHARING NETWORK

Tom Chothia

USING REOCCURRING COSTS FOR REPUTATION MANAGEMENT IN PEER-TO-PEER STREAMING SYSTEMS

Michael Roßberg, Thorsten Strufe and Guenter Schaefer

03:30 - 03:45 Coffee Break

03:45 - 05:30 Session 3: AD HOC NETWORKS

Session Chair: Ahmet Çamtepe

A FEEDBACK REPUTATION MECHANISM TO SECURE THE OPTIMIZED LINK STATE ROUTING PROTOCOL

João P. Vilela and João Barros

ENHANCING FREQUENCY-BASED WORMHOLE ATTACK DETECTION WITH NOVEL JITTER WAVEFORMS

Maria A. Gorlatova, Marc Kelly, Ramiro Liscano and Peter C. Mason

MITIGATING DENIAL-OF-SERVICE ATTACKS IN MANET BY DISTRIBUTED PACKET FILTERING: A GAME-THEORETIC APPROACH

Xiaoxin Wu and David Yau
SECURING PERSONAL NETWORK CLUSTERS
Assed Jehangir and Sonia Heemstra de Groot

DAY 2

September 19, 2007 Morning

09:00 - 10:30 **PANEL: ICT Security and Privacy - Challenges, Requirements and Priorities**

Moderator: Peter Matthews

Panelists: Nathalie Moreno, Jacques Bus, Volkmar Lotz, Andreas Schaad

10:30 - 10:45 **Coffee Break**

10:45 - 12:15 Session 4: SENSOR NETWORKS I **Session Chair: Albert Levi**

IMPLICATIONS OF RADIO FINGERPRINTING ON THE SECURITY OF SENSOR NETWORKS

Kasper Bonne Rasmussen and Srdjan Capkun

SET: DETECTING NODE CLONES IN SENSOR NETWORKS

Heesook Choi, Sencun Zhu and Thomas F. La Porta

SELF-HEALING WIRELESS SENSOR NETWORKS

Claude Castelluccia and Angelo Spognardi

DECEPTION FRAMEWORK FOR SENSOR NETWORKS

Ruiyi Zhang, Johnson Thomas and Manoj Mulpure

12:15 - 01:45 Lunch

September 19, 2007 Afternoon

01:45 - 03:30 Session 5: NETWORK AND TELECOMMUNICATIONS SECURITY

Session Chair: Claude Castelluccia

AN ASSESSMENT OF VOIP COVERT CHANNEL THREATS

Takehiro Takahashi and Wenke Lee

DETECTING BOGUS BGP ROUTE INFORMATION: GOING BEYOND PREFIX HIJACKING

Jian Qiu, Lixin Gao, Supranamaya Ranjan and Antonio Nucci

SECURING NETWORK LOCATION AWARENESS WITH AUTHENTICATED DHCP

Tuomas Aura, Michael Roe and Steven J. Murdoch

GLOBAL INTEROPERABILITY OF NATIONAL SECURITY AND EMERGENCY PREPAREDNESS

(NS/EP) TELECOMMUNICATIONS SERVICES

Frank J. Suraci, Arye R. Ephrath and John R. Wullert II

03:30 - 03:45 Coffee Break

03:45 - 05:30 Session 6: WORMS, VIRUSES AND VEHICULAR NETWORKS

Session Chair: Bruno Crispo

DETECTING WORMS VIA MINING DYNAMIC PROGRAM EXECUTION

Xun Wang, Wei Yu, Adam Champion, Xinwen Fu and Dong Xuan

PWC: A PROACTIVE WORM CONTAINMENT SOLUTION FOR ENTERPRISE NETWORKS

Yoon-Chan Jhi, Peng Liu, Lunquan Li, Qijun Gu, Jiwu Jing and George Kesidis

SECURE CRASH REPORTING IN VEHICULAR AD HOC NETWORKS

Sumair Ur Rahman and Urs Hengartner

EFFICIENT MECHANISMS TO PROVIDE CONVOY MEMBER AND VEHICLE SEQUENCE AUTHENTICATION IN VANETS

Ahren Studer, Mark Luk, Adrian Perrig and Fan Bai

September 19, 2007 Evening

08:00 – 09:30 BANQUET

DAY 3

September 20, 2007 Morning

9.00 - 10:15 Session 7: WEB AND APPLICATION SECURITY

Session Chair: Tuomas Aura

A LAYOUT-SIMILARITY-BASED APPROACH FOR DETECTING PHISHING PAGES

Angelo Rosiello, Christopher Kruegel, Engin Kirda and Fabrizio Ferrandi

SIMPLE CROSS-SITE ATTACK PREVENTION

Florian Kerschbaum

SIMPLE AUTHENTICATION FOR THE WEB

Timothy van der Horst and Kent Seamons

10:15 - 10:30 Coffee Break

10:30 -12:15 Session 8: SENSOR NETWORKS II

Session Chair: Melek Önen

SECURE LIGHTWEIGHT TUNNEL FOR MONITORING TRANSPORT CONTAINERS

Jens Ove Lauf and Harald Sauff

SYBIL ATTACK DETECTION IN A HIERARCHICAL SENSOR NETWORK

Sanjay Madria

ANONYMITY AND SECURITY IN DELAY TOLERANT NETWORKS

Aniket Kate, Greg Zaverucha and Urs Hengartner

BREAKING EMAP

Mihály Bárász, Balázs Boros, Péter Ligeti, Krisztina Lója and Dániel

Nagy

THE END

ROOMS

Secoval Workshop: Chagall room

SMPE: Garibaldi room

Grid-STP: Matisse room

Technical session : Matisse / Chagall room