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 muguin 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 REOCCURING 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
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 EMA
Mihály Bárász, Balázs Boros, Péter Ligeti, Krisztina Lója and Dániel Nagy

THE END

ROOMS

Secoval Workshop: Chagall room       SMPE: Garibaldi room       Grid-SP: Matisse room

Technical session : Matisse / Chagall room