

Dr. Seyit Ahmet CAMTEPE

Technische Universität Berlin, DAI-Labor,
Skr. TEL 14, Ernst-Reuter-Platz 7,
10587 Berlin / Germany

+49 (0)30 31474117
ahmet.camtepe@dai-labor.de
www.cs.rpi.edu/~camtes/

EDUCATION	Rensselaer Polytechnic Institute	Troy, NY, USA
	Ph.D. in Computer Science, May 2007. Thesis: Key management in wireless sensor networks.	
	Bogazici University	Istanbul, Turkey
	M.S. in Computer Engineering, (GPA 3.25), May 2001. Thesis: VOIP Security - Kerberos based security solution for SIP.	
	Bogazici University	Istanbul, Turkey
	B.S. in Computer Engineering, (GPA 3.33 – 4 th rank), May 1996. Thesis: LAN Analyzer for Ethernet Segments (implemented in C).	
	Bahcelievler High School	Istanbul, Turkey
	GPA: 9.18 – 1 st rank, May 1991.	
ACADEMIC EXPERIENCE	Teaching / Research Assistant	September 2002 – May 2007
	Rensselaer Polytechnic Institute, Troy, NY, USA <i>TA Courses:</i> Network Security I-II (Fall 2003-2007, Spring 2006-2007), Computer Algorithms (Spring 2005), Introduction to Computer Programming (Fall 2006). <i>Research:</i> Key Management in Wireless Sensor Networks (Dissertation), Social Network Analysis (supported by NSF), Spread of Internet Worms, Attack Modeling and Detection (Attack Trees – supported by Air Force Rome Laboratory, NY).	
	Network Lab. Research Assistant	February 2002- September 2002
	Bogazici University	Istanbul, Turkey
WORK EXPERIENCE	Pamuk Bank	Istanbul, Turkey
	Network Engineer	June 1996 – February 2002
	Responsibilities involving three head quarters, 160 branches:	
	<ul style="list-style-type: none">• Designed, installed and administered LANs (OSI 7 Layers).• Administered AIX, HPUX, NT 4, Windows 2000 and Novell networks.• Designed, installed and administered Internet and security infrastructure (Firewalls, Proxies, DNS, Mail, WEB and Content Switches, VPN Access Servers, Multihome BGP connections) with wide range of Cisco LAN and WAN devices (Catalyst switches, 2xxx, 4xxx, 7xxx routers, CSS 11xxx Content Switches, PIX Firewalls, VPN 3000).	

Exim Istanbul, Turkey

Part-time programmer June 1994 – June 1996

Responsibilities:

- Developed route accounting, warehouse automation and back office applications for customers like Pepsi, Algida, etc.
- Developed C programs on portable Telxon PTC devices.
- Developed automation and back office applications with Foxpro.

TRAINING

Microsoft Training Site, 1999 - 2001, Istanbul

1. Implementing and Admin. MS Win. 2000 Directory Service
2. Design a MS Windows 2000 Directory Service Infrastructure
3. Updating Support Skills from MS Win NT4.0 to MS Win 2000
4. Supporting RRAS for Microsoft Windows NT Server 4.0
5. Supporting Microsoft Cluster Server
6. Securing Microsoft Windows NT Server 4.0
7. Supporting Windows NT 4.0 Enterprise Technology
8. Supporting Microsoft SNA Server 4.0
9. Secure Web Access Using MS Proxy Server 2.0
10. Creating & Config. Web Server using MS IIS 4.0
11. Internetworking with MS TCP/IP
12. Microsoft NT 4.0 Administration

IBM Training IBM, 1996 - 1998, Istanbul

13. AIX V4 advanced TCP/IP Communications
14. AIX TCP/IP Communications
15. TCP/IP Networking
16. SNA Architecture
17. AIX/6000 V4 System Management
18. AIX/6000 V4 Introduction To System Management
19. AIX/6000 V4 For Users

Cisco Training Koc-Sistem, Geotrain, 1997 - 1999, Istanbul

20. Cisco Internetworking Troubleshooting Course
21. IMCR – Installation and Maintenance of Cisco Routers
22. ICWC - Introduction to Cisco Works Configuration
23. SNAM - SNA Configuration for Multiprotocol Administrators
24. ACRC - Advanced Cisco Router Configuration
25. ICRC - Introduction to Cisco Router Configuration

HP Training HP, 1998, Istanbul

26. HP-UX Fundamentals of the Unix System
27. HP-UX System Administration

CheckPoint Training Intellect, Koc-Sistem, 1998, Istanbul

28. CheckPoint Security Engineer
29. CheckPoint Security Administration
30. CheckPoint Firewall-1

COMPUTER
SKILLS

Operating systems: Win XP-2000-98-95-NT, AIX, and HPUX.
Programming languages: C/C++, Pascal, Foxpro, Assembly (x86).
Scripting languages: Perl, Shell scripting, Matlab, Latex.

PUBLICATIONS **Key Distribution in Wireless Sensor Networks**

1. Seyit Camtepe, Kenneth Vastola and Bulent Yener, *Complexity and Optimality of Power-Aware Key Establishment in Wireless Sensor Networks*, To be submitted: ACM TOSN
2. Seyit A. Camtepe, Bulent Yener, *Combinatorial Design of Key Distribution Mechanisms for Wireless Sensor Networks*, In: IEEE/ACM Transactions on Networking, vol.15 no.2, April 2007.
3. Seyit A. Camtepe, Bulent Yener, Moti Yung, *Expander Graph based Key Distribution Mechanisms in Wireless Sensor Networks*, In: IEEE International Conference on Communication, 11-15 June, Istanbul, Turkey, 2006.
4. Seyit A. Camtepe, Bulent Yener, *Key Distribution Mechanisms for Wireless Sensor Networks: a Survey*, Technical Report TR-05-07 Rensselaer Polytechnic Institute, Computer Science Department, March 2005. Book Chapter: *Key Management* in the book *Wireless Sensor Networks Security*, IOS Press, June 2007.
5. Seyit A. Camtepe, Bulent Yener, *Combinatorial Design of Key Distribution Mechanisms for Wireless Sensor Networks*, In: 9th European Symposium on Research Computer Security, Sophia Antipolis, France, September 13-15, 2004.

Attack Modeling and Detection

6. Seyit A. Camtepe, Bulent Yener, *A Formal Method for Attack Modeling and Detection*, Technical Report TR-06-01, Rensselaer Polytechnic Institute, Computer Science Department, January 2006.
7. Seyit A. Camtepe, Bulent Yener, *Modeling and Detection of Complex Attacks*, the 3rd International Conference on Security and Privacy in Communication Networks (SecureComm 2007), Nice, France, September 17-21, 2007.
8. Rainer Bye, Katja Luther, Seyit Ahmet Camtepe, Tansu Alpcan, Sahin Albayrak and Bulent Yener, *Decentralized Detector Generation in Cooperative Intrusion Detection Systems*, the 9th International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS), November 2007. Proceedings Series: Lecture Notes in Computer Science, Vol. 4838, T. Masuzawa and S. Tixeuil (Eds.), pp. 37–51, 2007.

Social Network Analysis

9. Evrim Acar, Seyit A. Camtepe, Bulent Yener, *Collective Sampling and Analysis of High Order Tensors for Chatroom Communications*, In: IEEE International Conference on Intelligence and Security Informatics, San Diego, California, May 23-24, 2006.
10. Evrim Acar, Seyit A. Camtepe, Mukkai Krishnamoorthy, Bulent Yener, *Modeling and Multiway Analysis of Chatroom Tensors*, In:

- IEEE International Conference on Intelligence and Security Informatics, Atlanta, Georgia, May 19-20, 2005.
11. Seyit. A. Camtepe, Mark Goldberg, Malik Magdon-Ismail, Mukkai Krishnamoorthy, *Detecting Conversing Groups of Chatters: A Model, Algorithms, and Tests*, In: International Conference on Applied Computing, Algarve Portugal, February 22-25, 2005.
 12. Seyit A. Camtepe, Mukkai Krishnamoorthy, Bulent Yener, *A Tool for Internet Chatroom Surveillance*, In: 2nd Symposium on Intelligence and Security Informatics, Tucson, AZ, USA, June 10-11, 2004.

Ph.D. Thesis

13. Seyit A. Camtepe (supervised by Bulent Yener), *Design and Analysis of Key Management Schemes for Distributed Wireless Sensor Networks*, Ph.D. Thesis, Rensselaer Polytechnic Institute, Computer Science Department, May 2007.

M.S. Thesis

14. Seyit A. Camtepe (supervised by M. Ufuk Çağlayan), *Kerberos based Security System for Session Initiation Protocol (SIP)*, M.S. Thesis, Boğazici University Computer Engineering Department, June 2001.

REFERENCES Available on request.