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Married, two children



### **EDUCATION**

*Technical University of İstanbul, İstanbul, Turkey*  
Ph.D. in Control and Computer Engineering, 1995,  
M.S. in Control and Computer Engineering, 1986,  
B.S. in Electronic and Communication Engineering, 1977-1982

### **AWARDS and HONORS**

Turkish Science Foundation, International Publication Awards 2003,2004,2005  
Turkish Armed Forces, Award for the book writing for Turkish Naval Academy 1997

### **RESEARCH EXPERIENCE**

*Current Research.* Gebze Institute of Technology ,1998- up to now.

- *Information Security Systems*
- *Computer Networks and Network Security.*
- *Information Systems applications*
- Supervised 27 Thesis of MSc and 1 Thesis of Ph.D.(Completed)

*Software development at Turkish Naval Academy Information Processing Center, 1990-1996*

- *Software development for Education management.*

*Doctoral Research:* Department of Control and Computer Engineering, Technical University of İstanbul, 1989-1995, (research adviser: Dr. Eşref ADALI).

- Part nesting via Contour Matching. (Ph.D. Thesis)

*Research and Development director at Taşkızak Naval Shipyard(Turkish Navy)*

Design and development of different electronic equipments for Turkish warships, and software development for Shipyard management 1986-1989

*M.S. Research* Department of Control and Computer Engineering, Technical University of İstanbul, 1982-1986, (research adviser: Dr. Ergül AKÇAKAYA).

- State Space Models for Image Processing Systems.(MS. Thesis )

### **PROFESSIONAL INTEREST AND ORGANIZATIONS**

#### **Research Interests**

- Information and Computer Networks Security.
- Computer Networks and Network Management
- Information Systems Applications.
- Computer Vision.

#### **Reviewer**

- IEE Proc. Vision, Image&Signal Processing(SCI)
- Journal of The Faculty of Engineering and architecture of Gazi University (Eng. Ind.)
- İstanbul University, Journal of Electrical and Electronic Engineering(JEEE)
- The Journal of Institute of Science and Technology of Erciyes University
- The 20th.International Symposium On Computer and Information Sciences,ISCIS05

#### **Conference Organizations**

- Member of Scientific Committee, National Symposium of Network and Information Security 2005, İstanbul
- Member of Scientific Committee, National Symposium of Digital Signature 2006, Ankara

## **PROFESSIONAL EXPERIENCE**

Head of the Department of Computer Engineering, Gebze Institute of Technology, 1999- up to now  
Member of Evaluation Committee of Incubator Center, Gebze Institute of Technology 2001-- up to now  
Head of the Department of Informatics, Gebze Institute of Technology, 1999-- up to now  
Head of the Computer Center, Turkish Naval Academy, 1996-1997  
Operating Officer , Computer Center, Turkish Naval Academy, 1993-1996  
Lecturer at Turkish Naval Academy, 1989-1997  
Chief of the R&D Lab.(Turkish Navy, Taskizak Naval Shipyard): 1986-1989

## **TEACHING EXPERIENCE**

*Asst. Prof. :* Department of Computer Engineering, Gebze Institute of Technology 1998-up to now

- I have thought the Following Courses for Undergraduate and Graduate Students
  - Computer Network Design and Management (MS)
  - Data and Network Security(MS)
  - Network Technologies and Applications(MS)
  - Introduction to Computer Networks(UG)
  - Discrete Mathematics(UG)

*Instructor:* Engineering Department at Turkish Naval Academy (TNA)-Tuzla-İstanbul 1989-1997.

- I have thought the Following Courses for Undergraduate Students
  - Digital Electronics
  - Digital Design
  - Introduction to Programming
  - Introduction to Microprocessors and Microcomputers
  - Microcomputer Based System Design
  - Computer Architecture
  - Microcomputer Laboratory

## **UNIVERSITY SERVICES**

*Departmental Coordinator of ERASMUS/SOCRATES programme,* Gebze Institute of Technology  
2003- up to now

Member of Project Evaluation Committee of Incubator Center, Gebze Institute of Technology 2001- up to now.

Head of the Department of Informatics. Gebze Institute of Technology, 1999- up to now.

Adviser , Computer Center Of Gebze Institute of Technology 1998-2005

## **PUBLICATIONS (International Journals)**

1. B.Karabacak , **İ.Soğukpınar**, "A Quantitative Method for ISO 17799 Gap Analysis", Computers&Security, Volume 25, Issue 6, Pages 413-419, 2006 (SCI )
2. T.Akyüz, **İ.Soğukpınar**, " INVUS: Intelligent VUlnerability Scanner", Lecture Notes in Computer Science, (CMS 2005) Springer-Verlag, Vol. 3677/2005 pages 264-265, 2005.(SCI )
3. B.Karabacak , **İ.Soğukpınar**, "ISRAM: Information Security Risk Analysis Method", Computers&Security, Volume 24, Issue 2, Pages 147-159, March 2005.(SCI )
4. H.Takçı, **İ.Soğukpınar**, "Letter Based Text Scoring Method for Language Identification ", Lecture Notes in Computer Science, (ADVIS 2004) Springer-Verlag, Vol. 3261/2004 pages 283-290, October 2004.(SCI ).
5. H.Takçı, **İ.Soğukpınar**, "Centroid-Based Language Identification Using Letter Feature Set", Lecture Notes in Computer Science, (CICLING 2004) Springer-Verlag, Vol. 2945/2004, pages 635-645, February 2004. (SCI )
6. A. Güven, **İ. Soğukpınar**, "Understanding Users' Keystroke Patterns for Computer Access Security", Computers&Security, Volume 22, Issue 8, Pages 695-706, December 2003.(SCI )
7. E.Kuruoğlu, **İ.Soğukpınar** "Low Cost And Trusted Electronic Purse System Design" Lecture Notes in Computer Science, (ISCIS 2003), Springer-Verlag, Vol. 2869/2003, pages 131-138, October 2003.(SCI )

8. H.Takci, **İ.Soğukpınar** ,“Data Mining Based IDS Design Using Classification Method”, International Journal of Computational Intelligence, vol 1 no 1, pages 114-118, 2003
9. İ. Öztürk, **İ.Soğukpınar**," Analysis and Comparison of Image Encryption Algorithms", International Journal of Information Technology, Vol. 1. No. 2, pages 108-111, 2004,
10. A.Durlanik, **İ.Soğukpınar**, "SIP Authentication Scheme Using ECDH", Enformatika, Vol. 8, pages 350-353, 2005-10

#### **PUBLICATIONS (International Conferences)**

1. M.Mutlugün, **İ.Soğukpınar**, " Security Architecture for Web-based Health Insurance Systems ", International Conference on Systems and Networks Communications,ICSNC 2006, October 29 - November 3, 2006 - Tahiti, French Polynesia,
2. A. Kocak, **İ.Soğukpınar**," Trust Management With Ipsec in Active Networks", International Informatics Congress 2005 (BİLTEK 2005) 10-12 June, Eskişehir.
3. İ. Öztürk, **İ.Soğukpınar**," Analysis and Comparison of Image Encryption Algorithms", International Conference on Information Technology (ICIT-2004), pp 38-41, December 17-19, 2004, İstanbul
4. K.Akgün Taşkıran,**İ.Soğukpınar**," Security Development in Distributed EDI Model", International Conference on Informatics (ICI-2004) , September 01-04, 2004, Çesme, Izmir
5. **İ.Soğukpınar**, E.Sevilgen,M.Göktürk,İ.Tahralı,M.Coşkun, "An Interface Architecture for Simulation Integration Using HLA",International Conference on Informatics (ICI-2004) , September 01-04, 2004, Çesme, Izmir
6. T.Türköz, **İ.Soğukpınar**, "NetCheck: An Easy and Extensive Solution for Firewall Testing and Analysis", The 3rd Asia Pacific International Symposium on Information Technology, 13-14 Jan. 2004, İ.T.Ü. İstanbul
7. H.Takçı, **İ.Soğukpınar**, "Classification Based Intrusion Detection", The 3rd Asia Pacific International Symposium on Information Technology, 13-14 Jan. 2004, İ.T.Ü. İstanbul
8. B.Karabacak , **İ.Soğukpınar**, "A Novel Approach for Information Security Risk Analysis" The 3rd Asia Pacific International Symposium on Information Technology, 13-14 Jan. 2004, İ.T.Ü. İstanbul
9. C.Kılıç, **İ.Soğukpınar**,"Increasing Security on Database Systems. TADA System ",The 3rd Asia Pacific International Symposium on Information Technology, 13-14 Jan. 2004, İ.T.Ü. İstanbul
10. I. Köse, N. Shvets, **İ.Soğukpınar** A-PROBLEM ORIENTED DATABASE AS A TOOL FOR THE DATA ON THE STRUCTURE-ACTIVITY RELATIONSHIPS ACCUMULATION, INTEGRATION AND EXCHANGE International Twelfth Turkish Symposium on Artificial Intelligence and Neural Networks, 2-4 July 2003, Çanakkale
11. H.Takci, **İ.Soğukpınar** ,“ Data Mining Based IDS Design Using Classification Method” International Twelfth Turkish Symposium on Artificial Intelligence and Neural Networks”, University of 19 May, 2-4 July 2003 Çanakkale
12. A.Güven, **İ.Soğukpınar**, "Biometric Security System Design Using Keystroke Rhythms Algorithm", ISCIS XVII, Seventeenth International Symposium On Computer and Information Sciences, University of Central Florida, 28-30 Oct., 2002 Orlando, Florida
13. **İ.Soğukpınar**, E. Adalı, "A new Algorithm to Find the Relationship of Objects Existing in two Dimensional Scene", International Symposium on Computer and Information Sciences ISCIS XVI, 5-7 Nov. 2001, Antalya
14. **İ.Soğukpınar**, E. Adalı , "Side-by-Side Nesting with Contour Matching", International Symposium on Computer and Information Sciences ISCIS XVI, 5-7 Nov. 2001, Antalya
15. N.Svets, , **İ.Soğukpınar**,., A. Dimoglo, , "Pattern Recognition Techniques Application in a Software System for the "Structure-Property" Relationships Study in Chemistry, Biology and Medicine."" , International Symposium on Computer and Information Sciences ISCIS XVI, 5-7 Nov. 2001, Antalya
16. **İ.Soğukpınar**, E. Adalı , "Algorithms for Part Nesting and Scene Analysis", 3<sup>rd</sup> International Symposium on Intelligent Manufacturing Systems, 30-31 August 2001, Sakarya

#### **PUBLICATIONS (National Journals)**

1. H. Takçı, T.Akyüz, İ. Soğukpınar, Text Based Anomaly Detection for Web Attacks, Journal of Eng. Faculty, Gazi Üniv. (In press)

2. **İ.Soğukpınar**, L. Yalçın, "User Identification Via Keystroke Dynamics", İst. Univ. Journal of Electrical and Electronic Engineering(JEEE), Volume: 4: Number:1, pp 995-1005, 2004
3. H. Takçı, **İ. Soğukpınar** "Investigating User Access patterns of Library Users" Information World Vol. 3 ,No 1, pp. 12-26, 2002
4. S.Kurt, **İ.Soğukpınar**, "Developing Test method for Firewalls : Design &Application", İst. Univ. Journal of Electrical and Electronic Engineering(JEEE), Volume: 2: Number:1, pp 345-1358, 2002
5. **İ.Soğukpınar**, "Using Cable Tv Networks for Internet and Intranet, Problems and Solutions", The bulletin of Turkish Naval Academy, 2001,
6. **İ.Soğukpınar**, "Image Processing and Robotics Applications", The bulletin of Turkish Naval Academy, No 25 ,1990

#### **PUBLICATIONS (National Conferences, in Turkish)**

1. A.Uğur, **İ. Soğukpınar**, Using Design Patterns for Continuity of Electronic Signature Applications, National Electronic Signature Conference, 7-8 Dec. 2006,Ankara-Turkey
2. R. Karabağ, **İ.Soğukpınar**, Intrusion Detection via User Behavior Analysis, ELECO 2006, Symposium of Electric, Electronic and Computer Engineering, 6–10 Dec. 2006,Bursa-Turkey
3. G. Durmuş, **İ.Soğukpınar**, Secure DHCP System Design fot IPv6 Networks, ELECO 2006, Symposium of Electric, Electronic and Computer Engineering, 6–10 Dec. 2006,Bursa-Turkey
4. A. Uğur, **İ. Soğukpınar**. A Case Study on Evolution of Software Architecture: The Continuity of Electronic Signature Application., UYMK 2006, First National Conference of Software architectures, 20-21 Nov. 2006, İstanbul
5. M.Çakır, **İ.Soğukpınar**, Security Evaluation of Information Technology Systems via Common Criteria", TBD 21. National Informatics Congress, 4-6 Oct.2004, METU-Ankara
6. H.Takçı, **İ.Soğukpınar**, "Intrusion Detection Using Web users clustering", TBD 21. . National Informatics Congress, 4-6 Oct.2004, METU-Ankara
7. M.Karalar, **İ.Soğukpınar**, "Network Traffics Congestion Analysis of Red and Tail-Drop Algorithms", TBD 21. National Informatics Congress, 4-6 Oct.2004, METU-Ankara
8. T.Akyüz, R.Karabağ, **İ.Soğukpınar**, "AKAT: Intelligent Vulnerability Scanner", TBD 21. National Informatics Congress, 4-6 Oct.2004, METU-Ankara
9. A.Süslü,**İ.Soğukpınar**,"Using Patricia Tree in IPv6 Routers and Movable Application", Information Technologies Congress III, Pamukkale University, 7-9 Oct. 2004, Denizli
10. M. Mutlugün, **İ.Soğukpınar**,"Script MIB Based Management System for IPSec/VPN Gateways", TBD 20. National Informatics Congress, 2-6 Sept.2003, İstanbul
11. M. Özkan, **İ.Soğukpınar**,"A Biometric based Solution to Increase the Security of Private Key", TBD 20. National Informatics Congress, 2-6 Sept. 2003, İstanbul
12. T. Akyüz, M. Coşkun, **İ.Soğukpınar** "A Model for Vulnerability Scanners", 20.TBD National Informatics Congress, 2-6 Sept.2003, İstanbul
13. M.Ercan Kuruoğlu, **İ.Soğukpınar**, "An Application for Low Cost and Trusted Electronic Purse", 2. Information Technologies Congress, Pamukkale University, 1-4 May 2003, Denizli
14. H.Takci, **İ.Soğukpınar**, "KNN application in Intrusion Detection", INET-TR03. Internet Conferences in Turkey VIII, 19-21 Dec. 2002
15. M. Coşkun, **İ. Soğukpınar**,"A Model for Distributed Intrusion Detection"19.TBD National Informatics Congress, 3-6 Sept. 2002, İstanbul,
16. K.A.Taşkıran , **İ.Soğukpınar**,"Security Increment in Electronic Data Interchange",19.TBD National Informatics Congress, 3-6 Sept. 2002, İstanbul
17. **İ. Soğukpınar**, F. Birinci,"The Effects of Block Encryption Modes to Security Protocols", 19.TBD National Informatics Congress, 3-6 Sept. 2002, İstanbul
18. Y.Kemal Kıran **İ.Soğukpınar**, "Project Evaluation System with Artificial Intelligence",19.TBD National Informatics Congress, 3-6 Sept.2002, İstanbul
19. H.Takci, **İ.Soğukpınar**, "A New Approach in Intrusion Detection",19.TBD National Informatics Congress, 3-6 Sept. 2002 ,İstanbul
20. H.Takçı, **İ.Soğukpınar**, "Intrusion Detection via Users Access Patterns", Information Technologies Congress, Pamukkale University, 6-8 May. 2002, Denizli
21. B.Karabacak, **İ.Soğukpınar**, " Risk Analysis and Management Processes" Information

- Technologies Congress, Pamukkale University, 6-8 May. 2002, Denizli
22. H.Takci, **İ.Soğukpınar**, " Investigating User Access patterns of Library Users ", Academic Informatics 2002, 6-8 Feb. 2002 ,Selçuk University, Konya
  23. T.Evren, **İ.Soğukpınar**, "Software Solution for e-mail marketing", (Poster) INET-TR2001. Internet Conferences in Turkey VII, 1-3 Nov. 2001, İstanbul
  24. H.Takci, **İ.Soğukpınar**, "Library Management Systems and an Application" INET-TR2001. Internet Conferences in Turkey VII, 1-3 Nov.2001, İstanbul
  25. N. Çenesiz, , **İ.Soğukpınar**,. "Integrated Microprocessor Education Simulator(BMES)" .9. National Congress of Electric Engineering Congress, Kocaeli University, 21 Sept. 2001.Kocaeli
  26. N. Çenesiz, , **İ.Soğukpınar**,. "Embedded Internet Applications in Now and Future" 1.Communication Technologies Congress 19 Oct. 2001.METU, Ankara
  27. **İ.Soğukpınar**, E. Adalı , "An Algorithm to Find Corner Points of 2D Objects", 10. Turkish Symposium on Artificial Intelligence and Neural Networks, Tainn2001, 21-22 July 2001, Middle East University, Gazi Magusa.
  28. Ö.Bayhan, **İ.Soğukpınar**, "Web Based Medical Imaging and Patient follow-up System Design", Academic Informatics, 2001, 1-2 Feb. 2001, 19 May University SAMSUN
  29. H.Takci, **İ.Soğukpınar**, "Electronic Library Experiment", Academic Informatics, 2001, 1-2 Feb. 2001, 19 May University, SAMSUN
  30. Z.Koç,**İ.Soğukpınar**, "A New Computer Education Software in Turkish( TBEY )", Informatics2000, 5-9 Sept. 2000 İstanbul,
  31. **İ.Soğukpınar**, F.Çenesiz," Security Increment in Network Based Software via Digital Signatures", Informatics2000, 5-9 Sept. 2000 İstanbul,
  32. A.Güven, **İ.Soğukpınar**, "Adaptive Security System Design via Keystroke Rhythms", 9. Turkish Symposium on Artificial Intelligence and Neural Networks TAINN2000, 21-23 July 2000, 9 Sept. University/İZMİR
  33. T.Dursun,S.H.Karabaş,B.Örencik,**İ.Soğukpınar**, " Secure Management of a Proxy Server Using SNMP and Java Applets", 5.Computer Networks Symposium BAS2000, 15-16 June 2000, Bilkent University/ANKARA
  34. F.Çenesiz, **İ.Soğukpınar**, " Digital Signature Uses in Enterprise Network Security: Design&Application", 5th. Computer Networks Symposium BAS2000, 15-16 June 2000, Bilkent University/ANKARA
  35. A.Güven, **İ.Soğukpınar**, " Computer Security System Design using Keystroke Rhythms", 5. Computer Networks Symposium BAS2000, 15-16 June 2000, Bilkent University/ANKARA
  36. M. Ö. Kütük, **İ. Soğukpınar**, "Designing Digital Signature Algorithm with proved Counterfeits", Computer Network Symposium 99, 20-21 May. 1999, İ.T.Ü Maslak/İstanbul

## **REFERENCES**

Letter of recommendation on my behalf is available upon request from:

Alinur BÜYÜKAKSOY,Professor(Rector)  
Gebze Institute of Technology  
İstanbul Caddesi No:101 41400 Gebze-Kocaeli-Turkey  
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