

## Personal Information

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## Education Information

Doctorate, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2011 - 2016

Post Graduate, Sabancı Üniversitesi, Doğa Bilimleri Ve Mühendislik Fakültesi, Bilgisayar Bilimi Ve Mühendisliği, Turkey 2009 - 2011

Under Graduate, Sabancı Üniversitesi, Doğa Bilimleri Ve Mühendislik Fakültesi, Bilgisayar Bilimi Ve Mühendisliği, Turkey 2004 - 2009

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, FILTERING BASED DEFENSE MECHANISMS AGAINST DDOS ATTACKS FOR CORE NETWORKS, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2016

Post Graduate, A KEY DISTRIBUTION SCHEME FOR UNDERWATER WIRELESS SENSOR NETWORKS, Sabancı Üniversitesi, Doğa Bilimleri Ve Mühendislik Fakültesi, Bilgisayar Bilimi Ve Mühendisliği, 2011

## Research Areas

Computer Sciences, Information Security and Reliability, Software Security, Equipment, Network Architecture, Engineering and Technology

## Academic Titles / Tasks

Research Assistant, İstanbul Medeniyet Üniversitesi, Faculty of Engineering and Natural Sciences , Computer Engineering Department, 2012 - Continues

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Filtering-Based Defense Mechanisms Against DDoS Attacks: A Survey**  
Kalkan K., Gur G., Alagoz F.  
IEEE SYSTEMS JOURNAL, vol.11, pp.2761-2773, 2017 (Journal Indexed in SCI)
- **Key distribution scheme for peer-to-peer communication in mobile underwater wireless sensor networks**  
Kalkan K., Levi A.  
PEER-TO-PEER NETWORKING AND APPLICATIONS, vol.7, pp.698-709, 2014 (Journal Indexed in SCI)
- **Privacy-Preserving Optimal Meeting Location Determination on Mobile Devices**  
Bilogrevic I., Jadliwala M., JONEJA V., Kalkan K., Hubaux J., Aad I.  
IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, vol.9, pp.1141-1156, 2014 (Journal Indexed in SCI)

## Refereed Congress / Symposium Publications in Proceedings

- **SDNScore: A Statistical Defense Mechanism Against DDoS Attacks in SDN Environment**  
KALKAN K., Gur G., ALAGÖZ F.  
IEEE Symposium on Computers and Communications (ISCC), Heraklion, Greece, 3 - 07 Temmuz 2017, pp.669-675
- **Dağıtık Servis Dışı Bırakma Saldırılarına Karşı Filtreleme Tabanlı Savunma Mekanizmaları**  
KALKAN K., Gür G., Şentürk Ş.  
Akademik Bilişim 2016, Aydın, Turkey, 02 Şubat 2016, pp.372-374
- **Privacy in Mobile Computing for Location-Sharing-Based Services**  
Bilogrevic I., Jadliwala M., Kalkan K., Hubaux J., AAD I.  
11th International Symposium on Privacy Enhancing Technologies, Waterloo, Canada, 27 - 29 Temmuz 2011, vol.6794, pp.77-80
- **An approach for classifying program failures**  
Ozcelik B., Kalkan K., Yılmaz C.  
2nd International Conference on Advances in System Testing and Validation Lifecycle, VALID 2010, Nice, France, 22 - 27 Ağustos 2010, pp.93-98

## Supported Projects

KALKAN K., GÜR G., ALAGÖZ F., Project Supported by Higher Education Institutions, Yazılım Tabanlı Ağ Teknolojilerindeki DDoS Saldırılarına Karşı Önlem Mekanizması: SDNScore (SDNScore A Statistical Defense Mechanism Against DDoS Attacks in SDN Environment), 2017 - 2017

## Memberships / Tasks in Scientific Organizations

Member, 2016 - Continues

## Scientific Refereeing

Secure Communication Networks, SCI Journal, May 2016

Computer Networks, SCI Journal, February 2016

## Invited Congress and Symposium Activities

ONOS & ODL Meetup "SDN & NFV Teknolojileri", Attendee, İstanbul, Turkey, 2016

International Cyber Security Workshop and Certificate Program, Attendee, İstanbul, Turkey, 2016

Akademik Bilişim 2016, Attendee, Aydın, Turkey, 2016

The 2012 Summer FTRA International Symposium on Advances in Cryptography, Security and Applications for Future Computing (ACSA-Summer), Attendee, Vancouver, Canada, 2012

## Citations

Total Citations (WOS):65

h-index (WOS):4

## Scholarships

Doktora Yurtiçi Eğitim Bursu, TÜBİTAK, 2012 - Continues