

Res. Asst. PhD KÜBRA KALKAN

Personal Information

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Education Information

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

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

Undergraduate, 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

Postgraduate, 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

I. Filtering-Based Defense Mechanisms Against DDoS Attacks: A Survey

Kalkan K., Gur G., Alagoz F.

IEEE SYSTEMS JOURNAL, vol.11, no.4, pp.2761-2773, 2017 (Journal Indexed in SCI)

II. 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, no.4, pp.698-709, 2014 (Journal Indexed in SCI)

III. **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, no.7, pp.1141-1156, 2014 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. **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 July 2017, pp.669-675

II. **Dağıtık Servis Dışı Bırakma Saldırılarına Karşı Filtreleme Tabanlı Savunma Mekanizmaları**

KALKAN K., Gür G., Şentürk Ş.

Akademik Bilişim 2016, Aydın, Turkey, 02 February 2016, pp.372-374

III. **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 July 2011, vol.6794, pp.77-80

IV. **An approach for classifying program failures**

Ozcelik B., Kalkan K., Yilmaz C.

2nd International Conference on Advances in System Testing and Validation Lifecycle, VALID 2010, Nice, France, 22 - 27 August 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

IEEE, Member, 2016 - Continues

Scientific Refereeing

Secure Communication Networks, SCI Journal, May 2016

Computer Networks, SCI Journal, February 2016

Edit 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):69

h-index (WOS):4

Scholarships

Doktora Yurtiçi Eğitim Bursu, TUBITAK, 2012 - Continues