

ÖZGEÇMİŞ

1. Adı Soyadı: Reza Kalan
2. Doğum Tarihi:
3. Unvanı: Dr. Öğr. Üyesi
4. Öğrenim Durumu:

Derece	Alan	Üniversite	Yıl
Lisans	Bilgisayar Mühendisliği	IAU	2003
Y. Lisans	Bilgisayar Mühendisliği	EMU	2013
Doktora	Bilgi Teknolojisi	EGE Üniversitesi	2020

5. Akademik Unvanlar:

Yardımcı Doçentlik Tarihi :

Doçentlik Tarihi :

Profesörlük Tarihi :

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri:

2024-2025- **Kadiatu Daboh** “Enhancing Insider Threat Detection in Cloud Computing Environments: A Machine Learning Approach”

6.2. Doktora Tezleri :

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI & SSCI & Arts and Humanities)

- **R. Shokri Kalan**, S. Clayman, M. Sayit, *vDANE: Using Virtualization for Improving Video Quality with Server and Network Assisted DASH* International Journal of Network Management”, July 2022
- **R. Shokri Kalan**, M. Sayit, “SDN Assisted Codec, Path and Quality Selection for HTTP Adaptive Streaming” in IEEE Access, vol. 9, pp. 129917-129932, 2021
- **R. Shokri Kalan**, Ismail Dulger, “A Survey on QoE Management Schemes for HTTP Adaptive Video Streaming: Challenges, Solutions, and Opportunities” IEEE Access, vol. 12, pp. 170803-170839, 2024

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

- R. Shokri Kalan, “Big data: Real-time video streaming and log analytic for improving quality of experience” International Journal of Future Computer and Communication, vol. 13, 2024

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler

1. **R. Shokri Kalan**, Seren Gul, “Agent at the Edge: Opportunity and Challenges of Video Streaming Analytics at the CDN Edge, 9th Conference on Computer Science and Intelligence Systems (FedCSIS), 2024
2. **R. Shokri Kalan**, “Enhancing Quality of Experience by Monitoring End-User Streaming Behavior” 2023 IEEE Intl Conf on Dependable, Autonomic and Secure Computing, 2023, Abu Dhabi, UEA

3. **R. Shokri Kalan**, E. Karsli, *Illegal Broadcasting: A Way for Protecting Revenue*” 14th International Conference on Network of the Future (IEEE NoF 2023), 2023, Izmir, Turkey
4. **R. Shokri Kalan**, “*QoE-Driven Multimedia Streaming Leveraging Distributed Network Function Virtualization at Edge*” 8th International Conference on Information and Network Technologies (ICINT 2023), May 2023, Tokyo, Japan
5. Bahman Arasteh, Babak Aghaei, Reza Ghanbarzadeh, **Reza Kalan**, “Constraint-based heuristic algorithms for software test generation”. *Decision-Making Models*, 111-123, Academic Press. 2023
6. B. Arasteh, M. Sattari, **R. Shokri Kalan**, “ *Fuzuli: Automatic Test Data Generation for Software Structural Testing using Grey Wolf Optimization Algorithm and Genetic Algorithm*”, The 7th IEEE Cyber Science and Technology Congress (IEEE CyberSciTech 2022), September 2022, Calabria, Italy
7. **R. Shokri Kalan**, R. Farahani, E. karsli, C. Timmerer, H. Hellwagner, “ *Towards Low Latency Live Streaming: Challenges in a Real-World Deployment*” The 13th ACM Multimedia Systems Conference (ACM MMSys 2022), June 2022, Athlone, Ireland
8. **R. Shokri Kalan**, “*Improving Quality of HTTP Adaptive Streaming with Server and Network-Assisted DASH*” 17th International Conference on Network and Service Management (IEEE CNSM-2021), October 2021, Izmir, Turkey
9. **R. Shokri Kalan**, “*Decentralization: A Confluence of Data and Digital Personality*” The Seventh International Conference on Social Networks Analysis, Management and Security (IEEE SNAMS-2020), December 2020, Paris, France
10. E. Karsli, **R. Shokri Kalan**, “*Toward HTTP Adaptive Streaming: Implementation and Challenges*” ACM Multimedia Systems Conference (ACM MMSys 2020), Jun 2020, Istanbul, Turkey
11. **R. Shokri Kalan**, M. Sayit , S. Clayman, “*Multimedia Service Management with Virtualized Cache Migration*” 23rd Conference on Innovation in Clouds, Internet and Networks (IEEE ICIN 2020), Feb 2019, Paris, France
12. **R. Shokri Kalan**, M. Sayit , S. Clayman, “*Optimal Cache Placement and Migration for Improving the Performance of Virtualized SAND*” Software Defined Networking and Network Function Virtualization Performance (IEEE PVE-SDN 2019), June 2019, Paris, France
13. **R. Shokri Kalan**, M. Sayit, A. Begen,” *Implementation of SAND Architecture Using SDN* ” IEEE Conference on Network Function Virtualization and Software Defined Networks (IEEE NFV-SDN 2018), November 2018, Verona, Italy
14. S. Clayman, **R. Shokri Kalan**, M. Sayit,” *Virtualized Cache Placement in an SDN/NFV Assisted SAND Architecture*” IEEE International Black Sea Conference on Communication and Networking (IEEE BlackSeaCom 2018), June 2018, Batumi, Georgia
15. **R. Shokri Kalan**, S. Bikas, B. Khibari, M. Sayit,” *SDN-CPS: Selecting Codec, Path and Server for Video Streaming over SDN*” 26th. IEEE Signal Processing and Communications Application Conference (IEEE SIU2018), May 2018, Cesme, Izmir, Turkey

16. **R. Shokri Kalan**, C. Cetinkaya, M. Sayit, “*Design of A Layer-based Video Streaming System over Software Defined Networks*” 8th International Conference on the Network of the Future (IEEE NoF 2017) November 2017, London, United Kingdom
17. K. Herguner, **R. Shokri Kalan**, C. Cetinkaya, M. Sayit, “*Towards QoS-aware Routing for DASH Utilization MPTCP over SDN*” IEEE Conference on Network Function Virtualization and software Defined Networks (IEEE NFV-SDN), November 2017, Berlin, Germany
18. **R. Shokri Kalan**, “*Improving Video-on-Demand by Multi-channel/Multicast Approach in Cellular Networks*” (IEEE BlackSea Com 2017), June 2017, Istanbul, Turkey
19. **R. Shokri Kalan**, M. Osman Unalir, “*Leveraging Big Data Technology for Small and Medium-sized Enterprises (SMEs)*, 6th International Conference on Computer and Knowledge Engineering (IEEE ICCKE2016), October 2016, Iran

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler (In Persian)

- **R. Shokri Kalan**, *Wireless and cellular networks*, Kanoon Nashre Oloom, Tehran, 2018
- **R. Shokri Kalan**, *Data center architecture and design* , Kannon Nashre Oloom, Tehran, 2013
- **R. Shokri Kalan**, *Wireless communication and networks*, Eshraghi publication, Tehran, 2010
- **R. Shokri Kalan**, *Introduction to Cisco engineering*, Eshraghi publication, Tehran, 2009

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

- **R. Shokri Kalan**, E. Ashena, “*Big Data: Social Media in Attendance or Betrayal*”, Fourth National Conference on Applied Research in Electrical Engineering, Mechanics, Computer and Information Technology, October 2017, Iran
- **R. Shokri Kalan**, H. Khodaei, E. Ashena, “*Toward Secure Mobile Multimedia and Cloud Computing Services*”, 2nd International Conference on Computer Engineering and Information Technology, October 2017, Iran
- **R. Shokri Kalan**, H. Khodaei “*Digital Transformation and its Effect on Social Behaviors.*” Seventh National Conference and First International Conference on Distribution Computing and Big Data Processing, 2022, Iran

7.7. Diğer yayınlar

7.8. Uluslararası atıflar

8. Ulusal & Uluslararası Projeler

9. İdari Görevler

- Digiturk beIN Medya Grubu'nda Ar-Ge araştırmacısı (2019- 2024)
- Integration of Application Layer Traffic Optimization (ALTO) protocol and Software Defined Network SDN technology for improving quality of experience in video streaming applications, TUBITAK (115E449), Araştırmacı: **Reza Kalan** (2015-2017)
- Orchestration and management HTTP Adaptive Streaming technology for live video streaming, TEYDEB (3180915), Araştırmacı: **Reza Kalan** (2019-2020)
- Cholor Pars şirketinde bilgisayar mühendisi (2003-2010)

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

11. Ödüller

- Digiturk / Ar-Ge departmanından birinci araştırmacı ödülü , 2022 ve 2023
- Student Travel Grant (STG) award in IEEE BlackSea2017 conference, 2017
- Doğu Akdeniz Üniversitesi, yüksek lisans, yarı başarı bursu (%50), 2011
- Aptech Uluslararası Teknoloji Enstitüsü'nde en iyi öğretmen unvanını, 2008

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2024-2025	Güz	Data structure	3	2	180
		Machine learning	3	0	103
	İlkbahar	Algorithm analysis	3	0	210
		Computer networks	3	0	30
2023-2024	Güz	Intro. to computer engineering	3	0	100
		Data structure	3	2	120
	İlkbahar	Intro. to computer engineering	3	0	100
		Data security	3	0	100

Not: Açılmışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir.