ÖZGEÇMİŞ

1. Adı Soyadı **:** Salih Ergüt

2. Doğum Tarihi **:** 22/03/1976

3. Unvanı **:** Dr. Öğr. Üyesi

4. Öğrenim Durumu **:** Doktora

Derece	Alan	Üniversite	Yıl
Lisans	Elektrik ve Elektronik Müh.	Bilkent Üniversitesi	1998
Yüksek Lisans	Elektrik ve Elektronik Müh.	Northeastern University Boston, MA, ABD	2000
Doktora	Elektrik ve Elektronik Müh.	University of California, San Diego La Jolla, CA, ABD	2010

5. Akademik Unvanlar

Dr. Öğr. Üyesi: İstanbul Rumeli Üniversitesi, 2010-

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

6.2. Doktora Tezleri

7. Yayınlar

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

1. Aktaş, Semih, Hande Alemdar, and Salih Ergüt. "Towards 5G and beyond radio link diagnosis: Radio link failure prediction by using historical weather, link parameters." Computers & Electrical Engineering 99 (2022): 107742.

2. Fang, Y., Ergüt, S., & Patras, P. (2022). SDGNet: A Handover-aware Spatiotemporal Graph Neural Network for Mobile Traffic Forecasting. *IEEE Communications Letters*.

3. Vural, N. M., Ilhan, F., Yilmaz, S. F., Ergüt, S., & Kozat, S. S. (2021). Achieving Online Regression Performance of LSTMs With Simple RNNs. *IEEE Transactions on Neural Networks and Learning Systems*.

4. Vega MT, Liaskos C, Abadal S, Papapetrou E, Jain A, Mouhouche B, Kalem G, Ergüt S, Mach M, Sabol T, Cabellos-Aparicio A. Immersive interconnected virtual and augmented reality: a 5G and IoT perspective. Journal of Network and Systems Management. 2020 Oct;28(4):796-826.

5. Vural NM, Ergut S, Kozat SS. An efficient and effective second-order training algorithm for lstm-based adaptive learning. arXiv preprint arXiv:1910.09857. 2019 Oct 22.

6. V Gungor, D Sahin, T Kocak, S Ergut, C Buccella, C Cecati, G Hancke, “A survey on smart grid potential applications and communication requirements”, IEEE Transactions on Industrial Informatics 9 (1), 28-42, 2013

7. VC Gungor, D Sahin, T Kocak, S Ergut, C Buccella, C Cecati, GP Hancke, “Smart grid and smart homes: key players and pilot projects”, Industrial Electronics Magazine, IEEE 6 (4), 18-34, 2012

8. Gungor, V.C., Sahin, D., Kocak, T., Ergut, S., Buccella, C., Cecati, C., Hancke, G.P., "Smart Grid Technologies: Communication Technologies and Standards", IEEE Transactions on Industrial Informatics, Vol. 7, Issue 4, pp 529-530 Nov 2011

7.2. Diğer uluslararası indekslerce taranan dergilerde yayımlanan makaleler

7.2. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceeding) basılan bildiriler.

1. Kilinc, C., Marina, M. K., Usama, M., Ergut, S., Crowcroft, J., Gundogdu, T., & Akinci, I. (2021, December). JADE: Data-Driven Automated Jammer Detection Framework for Operational Mobile Networks. In *2022 IEEE International Conference on Computer Communications*. Institute of Electrical and Electronics Engineers (IEEE).

2. Mert Ozer, Ilkcan Keles, İsmail Hakki Toroslu, Pinar Karagoz, and Salih Ergut, “Predicting the next location change and time of change for mobile phone users”, Third ACM SIGSPATIAL International Workshop on Mobile Geographic Information Systems (MobiGIS '14), 2014

3. N. Denizcan Vanli, Muhammed O. Sayin, S. Ergut, and S.S. Kozat, “Piecewise nonlinear regression via decision adaptive trees”, European Signal Processing Conference (EUSIPCO), September 2014

4. N. Denizcan Vanli, Muhammed O. Sayin, S. Ergut, and S.S. Kozat, “Comprehensive lower bounds on sequential prediction”, European Signal Processing Conference (EUSIPCO), September 2014

5. K.E Ozden, M Tozlu, S Ergut, “A Hybrid Localization Framework for Mobile Devices”, Eighth International Conference on Next Generation Mobile Apps, Services and Technologies (NGMAST), August 2014

6. O. F. Celebi, E. Zeydan, I. Ari, O. Ileri and S. Ergut, “Alarm Sequence Rule Mining Extended With A Time Confidence Parameter" in Proceedings of Industry Conference on Data Mining (ICDM), July 2014

7. A. Tuzunkan, C. Gungor, E. Zeydan, O. Ileri, S. Ergut, “Seamless Mobile Data Offloading in Heterogeneous Wireless Networks based on IEEE 802.21 and User Experience” in proceedings of IEEE WCNC 2014 –Workshop on Self Organizing Networks, April 2014

8. P Arslan, F Casalegno, L Giusti, O Ileri, OF Kurt, S Ergut, “Big Data as a source for Designing Services”, International Congress of International Association of Societies of Design Research (IASDR), August 26, 2013

9. I Basturk, B Ozbek, C Edemen, AS Tan, E Zeydan, S Ergut, “Radio Resource Management for OFDMA-Based Mobile Relay Enhanced Heterogenous Cellular Networks”, Vehicular Technology Conference (VTC Spring), 2013 IEEE 77th, 1-5

10. O.F. Celebi, E. Zeydan, O.F. Kurt, O. Dedeoglu, O. Iieri, B.A. Sungur, A. Akan, S. Ergut, “On use of big data for enhancing network coverage analysis”, Telecommunications (ICT), 2013 20th International Conference on, May 6, 2013

11. Ozkan, H., Akman, A. , Ergut, S. ; Kozat, S.S. , "A novel training method for PHMMs", 3rd International Workshop on Cognitive Information Processing (CIP), May 28-30, 2012

12. M. Arisoylu, S. Ergut, RL Cruz, and RR Rao. Packet size aware path setup for wireless networks. In IEEE Consumer Communications and Networking Conference (CCNC), pages 6–12, 2008.

13. S. Ergut, R.R. Rao, and O. Dural, “Localization via multipath strengths in a CDMA2000 cellular network using neural networks”, IEEE International Joint Conference on Neural Networks (IJCNN) (IEEE World Congress on Computational Intelligence), pages 4066–4069, 2008.

14. S. Ergut, RR Rao, O. Dural, and Z. Sahinoglu. “Localization via TDOA in a UWB sensor network using neural networks”, IEEE International Conference on Communications (ICC), pages 2398–2403, 2008.

15. O. Akin, S. Ergut, and RR Rao, “Client side active queue management for 3G cellular networks”, IEEE Consumer Communications and Networking Conference (CCNC), volume 2, 2006.

7.4. Yazılan Uluslararası kitaplar veya kitaplarda bölümler

7.5. Ulusal hakemli (TRDizin tarafından taranan) dergilerde yayımlanan makaleler

7.6. Ulusal bilimsel toplantılarda sunulan bildiri kitabında basılan bildiriler

1. K.E Ozden, M Tozlu, S Ergut, “Multi-model visual localization”, Signal Processing and Communications Applications Conference (SIU), 2013

2. E Olmezogullari, I Ari, OF Celebi, S Ergut, “Data stream mining to address big data problems”, Signal Processing and Communications Applications Conference (SIU), 2013

3. Hasan Buyruk, A Kenan Keskin, S Sendil, Hasari Çelebi, Hakan P Partal, O Ileri, E Zeydan, S Ergut, “RF fingerprinting based GSM indoor localization”, Signal Processing and Communications Applications Conference (SIU), 2013

7.7. Diğer Yayınlar

7.8. Uluslararası Atıflar

8. Ulusal & Uluslararası Projeler

1. 7. Çerçeve Programı
    a. MOTO (2012-2015): Opportunistic traffic offloading from cellular to wireless infrastructures
    b. CROWD (2013-2015): Connectivity management for energy optimized-wireless dense networks

2. TÜBİTAK AB Projeleri
    a. Celtic MEVICO (2010-2013): Mobile Networks Evolution for Individual Communications Experience
    b. Celtic SIGMONA (2013-2016): SDN concept in generalized mobile network architectures
    c. Celtic SHARING (2012-2016): Self-organized heterogeneous advanced radio networks
    d. Celtic AI4GREEN (2019-2022): Artificial Intelligence for Green networks

3. TÜBİTAK destekli kurumsal projeler
    a. MLOps platformu – Uçtan uca yapay zeka süreçleri yönetim platformu geliştirilmesi
    b. Baz istasyonlarından gelen sinyaller kullanılarak kapalı alanda RF parmakizi bazlı konum belirleme
    c. Mobil şebekeler üzerinde gerçek zamanlı alarm ilişkilendirme ve geliştirilmiş kural madenciliği ile alarm yönetimi

9. İdari Görevler

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

- Başkan yardımcısı, International Telecommunication Union, Focus Group on “Machine Learning for Future Networks including 5G”, 2018-2020
- Başkan yardımcısı, International Telecommunication Union, Focus Group on “Autonomous Networks”

11. Ödüller ve Burslar

En iyi makale ödülü: IEEE Transactions on Industrial Informatics’de yayınlanan “Smart Grid Technologies: Communication Technologies and Standards” makalemiz 2012 yılı için en iyi makale ödülünü aldı.

12. Son iki yılda verdiği lisans ve lisansüstü düzeyindeki dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2020-2021	Güz	Büyük Veri			
	Bahar	Web Geliştirme			
2021-2022	Güz	Büyük Veri			
	Bahar				

*** İşaretli dersler, yüksek lisans dersleridir.**

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