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EDUCATION

2015	Koç University, Electrical and Electronics Engineering, Ph.D.
2006	Middle East Technical University, Electrical and Electronics Engineering, M.S
1999	Hacettepe University, Electrical and Electronics Engineering, B.S.

ACADEMIC POSITIONS

11/2019-present	Assistant Professor, Electrical and Electronics Engineering, Atılım University, Turkey
09/2016-09/2019	Assistant Professor, Electronic and Communication Engineering, Çankaya University, Turkey

ADMINISTRATIVE DUTIES

01/2018-06/2019	Çankaya University, Electronic and Communication Engineering, <i>Acting Chairperson</i>
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RESEARCH INTERESTS

1	Communication Theory
2	Wireless Sensor Networks
3	Cognitive Radio Networks
4	Internet of Things
5	Visible Light Communications
6	Vehicular Communications

PUBLICATIONS

1	O. Badirkhanli, O. B. Akan, O. Ergul, " Rescue: Wireless power-enabled communication architecture for earthquake rescue operations ," Physical Communication Journal (Elsevier), vol. 38, Article no: 100925, February 2020.
2	A. O. Bicen, O. Ergul, O. B. Akan, " Spectrum-Aware and Energy-Adaptive Reliable Transport for Internet of Sensing Things ," IEEE Transactions on Vehicular Technology, vol. 67, no. 3, pp. 2359-2366, March 2018
3	O. Ergul, A. O. Bicen, O. B. Akan, " Opportunistic Reliability for Sensor Actor Networks in Smart Grid ," Ad hoc Networks Journal (Elsevier), vol. 41, pp. 5-14, May 2016.).
4	O. Ergul, G. A. Shah, B. Canberk, O. B. Akan, " Adaptive and Cognitive Communication Architecture for Next-generation PPDR Systems ," IEEE Communications Magazine, vol. 54, no. 4, pp. 92-100, April 2016

5	O. Ergul , F. Alagoz, O. B. Akan, " Throughput Maximization in Cognitive Electromagnetic Energy Harvesting Wireless Networks ," International Journal of Communication Systems (Wiley), vol. 29, no. 7, pp. 1305-1322, May 2016.
6	O. Ergul , E. Dinc, O. B. Akan, " Communicate to Illuminate: State-of-the-art and Research Challenges for Visible Light Communications ," Physical Communication Journal (Elsevier), vol. 17, pp. 72-85, December 2015.
7	O. B. Akan, O. B. Karli, O. Ergul , " Cognitive Radio Sensor Networks ," IEEE Network, vol. 23, no. 4, pp. 34-40, July 2009.

PROJECTS

1	MINERVA: Communication Theoretical Foundations of Nervous System Towards Bio- Inspired Nanonetworks and ICT-Inspired Neuro-Treatment (European Research Council), Researcher 2015-2016
2	Terahertz Femtocell for 5G Mobile Networks (TUBITAK), Researcher, 2015.

CONFERENCE PRESENTATIONS

1	E. Dinc, O. Ergul , O. B. Akan, " Soft Handover in OFDMA based Visible Light Communication Networks ," <i>IEEE VTC</i> , Boston, USA, September 2015.
2	O. Ergul , O. B. Akan, " Cooperative Coarse Spectrum Sensing for Cognitive Radio Sensor Networks ," <i>IEEE WCNC</i> , Istanbul, Turkey, April 2014.
3	O. Ergul , O. Yilmaz, A. T. Koc, O. B. Akan, " DRX and QoS-aware Energy-efficient Uplink Scheduling for Long Term Evolution ," <i>IEEE GLOBECOM</i> , Atlanta, USA, December 2013
4	O. Ergul , O. B. Akan, " Energy-efficient Cooperative Spectrum Sensing for Cognitive Radio Sensor Networks ," <i>IEEE ISCC</i> , Split, Croatia, July 2013.

COURSES GIVEN

1	EE234 Engineering Electromagnetics
2	EE313 RF and Microwave Engineering
3	EE493 Engineering Design Project I

THESES SUPERVISED

1	Ali Adnan Al-Khazraji, "Comparison of Indoor Positioning Techniques Using Visible Light Communication," 2018.
2	Abdulmajeed A.R.M. Showkat Sulaiman, "Comparison of Consensus Algorithms in Wireless Sensor Networks," 2019
3	Muthana Hatem Dahham Al-Janabi, "Resource Allocation for Underlay Cognitive Radio Networks," 2019

BOOKS

1	O. Ergul , O. Cetinkaya, O. B. Akan, "Cognitive Radio Sensor Networks in Smart Grid," Smart Grid: Networking, Data Management, and Business Models, Edited by H. T. Mouftah, M-E. Kantarci, CRC Press, 2015.
2	O. Ergul , O. B. Akan, "Routing in Cognitive Vehicular Networks," Cognitive Vehicular Networks, Edited by A. M. Vegni, D. P. Agrawal, CRC Press, 2015.