

CURRICULUM VITAE

Abdullah BALCI

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Elektrik-Elektronik Mühendisliği Bölümü
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Research Areas

- M2M Communication over LTE Network,
- Random Access Techniques,
- Wireless Sensor Networks,
- Wireless Communication Techniques,

Education

- Ph.D.** : Ege University,
Telecommunication at Electrical and Electronics Engineering,
(2017-...)
- M.Sc.** : Ege University,
Telecommunication at Electrical and Electronics Engineering,
Thesis: Random Access Algorithm Design for M2M Communication
in LTE Network
(2015-2017)
- B.Sc.** : Izmir University,
Electronics and Communication Engineering,
(2009-2014)

Employment History

- Research Assistant** : Department of Electrical and Electronics Engineering, Ege University,
Bornova, İzmir, Turkey (2015-.....)
- Intern** : Turkish Aerospace Industries (TAI), (2013)
Information and Communication Technologies Authority (2012)

Publications

Book Chapters

- 1- R.Sokullu, **A.Balci**, "M2M Communications and Their Role in AAL", Ambient Assisted Living and Enhanced Living Environments Principles Technologies and Control, Butterworth Heinemann-Elsevier, 2016

International Conference Proceedings

- 1- **A. Balci**, R. Sokullu, M.A.Akkaş, "Enhancing Performance of M2M Random Access in 3GPP LTE Networks," ISEEE, Galati, 2017.
- 2- **A. Balci**, R. Sokullu, "Effects of LTE Random Access Methods on Healthcare M2M Applications ," International Workshop on IoT, M2M and Healthcare, Lund, 2017.
- 3- O. Yigit, **A. Balci**, R. Sokullu, K. Yegin, "A Novel Antenna for GPS and Iridium Satellite Phone Applications in M2M Communication," Belgrad, TELFOR, 2017.
- 4- **A. Balci**, R. Sokullu, "Primary Access Procedures in M2M Networks," The Tenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies, Venice, 2016.
- 5- R.Sokullu, E. Demir, **A.Balci**, B.Şeker, "Linear Wireless Sensor Networks in M2M Communications MAC Layer Protocol Comparison", Global Wireless Summit, Aarhus, 2016.
- 6- R.Sokullu, **A.Balci**, "M2M Communications Promises and Challenges", Global Wireless Summit, Aarhus, 2016. (Invited Paper)
- 7- M.A.Akkaş, R.Sokullu, **A.Balci**, "Wireless sensor networks in oil pipeline systems using electromagnetic waves", 2015 9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, 2015.

Awards

- Best Paper Award** : A. Balci, R. Sokullu, "Primary Access Procedures in M2M Networks," The Tenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies, 2016.
- High Honor Student (M.Sc. Degree, Ege University)**
- High Honor Student (B.Sc. Degree, Izmir University)**

Languages

English : Advanced,
Turkish : Native.

Computer Skills

Operating Systems : Windows, Linux,
Software Development : C, C++, Assembly,
Software and Processing Systems : Matlab, Ns3, Omnet, MS Office Applications.