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Education Information

Doctorate, Syracuse University, Elektrik Müh., United States Of America 1979 - 1983

Undergraduate, Middle East Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey
1971 - 1976

Dissertations

Doctorate, Radiation and scattering from electrically small conducting bodies of arbitrary shape, Syracuse University, Elektrik Müh., 1983

Advising Theses

Ercümend A., Scattering from a chiral cylinder of arbitrary cross-section above a ground plane, Doctorate, A.ALTAFA(Student), 2021

Ercümend A., Scattering from a chiral cylinder of arbitrary cross-section above a dielectric half-space, Doctorate, H.SAJJAD(Student), 2021

Ercümend A., Mehmet Kemal Ö., Mutual coupling compensation in arrays and its implementation on software defined radios, Doctorate, S.KHAN(Student), 2021

Ercümend A., Directivity enhancement of 60 GHz microstrip patch antennas using dielectric fabry-perot resonantors, Postgraduate, M.ARVAS(Student), 2019

Ercümend A., Compensation of mutual coupling in transmitting arrays of thin wire antennas, Postgraduate, S.KHAN(Student), 2017

Ercümend A., Low power CMOS receiver for medical implant communication services, Doctorate, H.ŞERİF(Student), 2008

Ercümend A., Design and Implementation of a Low-power SOI CMOS Receiver, Doctorate, E.ZENCİR(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

I. Characterization of atmospheric absorption in the 60 GHz frequency band using a multi-pole material model

Arvas M., ARVAS E., ALSUNAIDI M. A. H.

Applied Computational Electromagnetics Society Journal, vol.34, no.12, pp.1881-1887, 2019 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Low power analog baseband circuits in 0.18x03BCm CMOS for MICS and Body Area Network receivers**
SAVCI H. Ş., Arvas S., Dogan N. S., ARVAS E., Xie Z.
2013 Proceedings of IEEE Southeastcon, Jacksonville, FL, United States Of America, 4 - 07 April 2013
- II. **Design of A Low Power CMOS Differential Low Noise Amplifier by Using Die-Level EM analysis**
SAVCI H. Ş., Dogan N. S., Xie Z., ARVAS E.
28th Annual Review of Progress in Applied Computational Electromagnetics, Columbus, Ohio, United States Of America, 10 - 14 April 2012, pp.668-673
- III. **Coping with process variations in ultra-low power CMOS analog integrated circuits**
Wang Z., SAVCI H. Ş., Griggs J. D., Dogan N. S., ARVAS E.
Proceedings 2007 IEEE SoutheastCon, Richmond, New Zealand, 22 - 25 March 2007, pp.54
- IV. **The Effect of Structural Parameters on the Characteristics of Finite Ground Coplanar Waveguides on Silicon Substrates for 60 and 94 GHz Applications**
Sula A., SAVCI H. Ş., Dogan N. S., ARVAS E.
2006 Joint IEEE AP-S / URSI /AMEREM Symposium, Albuquerque, New Mexico, United States Of America, 9 - 14 July 2006
- V. **A 1-V UHF low noise amplifier for ultralow-power applications**
SAVCI H. Ş., Wang Z., Sula A., Dogan N. S., ARVAS E.
Proceedings - IEEE International Symposium on Circuits and Systems, Kos, 21 - 24 May 2006, pp.4495-4498
- VI. **MICS transceivers: Regulatory standards and applications**
SAVCI H. Ş., Sula A., Wang Z., Dogan N. S., ARVAS E.
PROCEEDINGS OF THE IEEE SOUTHEASTCON 2004, Ft Lauderdale, United States Of America, 8 - 10 April 2005, pp.179-182