



Mehdi Forouzanfar

Assistant Professor

Faculty: Electrical and Computer Engineering

Department: Electronics

Education

Degree	Graduated in	Major	University
BSc	2006	Electrical Engineering-Electronics	Ferdowsi university of Mashhad
MSc	2009	Electrical Engineering - Electronics	Ferdowsi university of Mashhad
Ph.D	2017	Electrical Engineering- Electronics	Ferdowsi university of Mashhad

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Engineering faculty, Electronic group	Faculty member	On Contract	Full Time	3

Subjects Taught

Integrated Circuits

PA design

LNA design

High-frequency simulation & measurement

Executions And Scientific Activities

Simulation and Fabrication of High-Frequency Power Amplifier

Passive High-frequency design and fabrication

Course Topics

High-frequency Amplifier Design

Semiconductor Devices

Integrated Circuit Design

Papers in Conferences

1. سيدحميد ظهيري ممقاني, صادق محمدی اسفهرود, مهدی فروزانفر, طراحی یک مقایسه گر حافظه دار دینامیکی دو دنباله به کمک الگوریتم فراابتکاری چندوجهی چند هدفه, چهارمین کنفرانس ملی تکنولوژی در مهندسی برق و کامپیوتر, شماره صفحات ۰-۰, شاهرود, ۲۰۱۹, ۰۵ ۲۹.
2. با Ku مهدی فروزانفر, مرجانی سعید, ملک خواهی احمد, طراحی ساخت تقویت کننده توان حالت جامد ۲۰ وات باند دهمین کنفرانس ملی فرماندهی و کنترل ایران, شماره صفحات - GaN HEMTs, استفاده از ترانزیستورهای مجزای تهران, ۲۰۱۷, ۱۲ ۱۱.
3. مهدی فروزانفر, تقویت کننده کم نویز در باند فرکانسی ۱/۳-۶/۱۰ گیگا هرتز با استفاده از روش خنثی سازی نویز, هفدهمین کنفرانس مهندسی برق ایران, شماره صفحات - ۲۰۰۹, ۰۵ ۱۲.
4. Mehdi Forouzanfar, Mojtaba Joodaki, Elham Amiri, Ginter Kompa, A Distributed Power Amplifier Design with a High Power Gain, 28, pp. 0-0, 04 08 2020, تبریز.
5. Mehdi Forouzanfar, Baseri Javad, Feghhi Rouhollah, Joodaki Mojtaba, Design of X-band Power Amplifier based on the Partitioning Design Approach, pp. - بیست و ششمین کنفرانس مهندسی برق ایران, مشهد, 08 05 2018.
6. Mehdi Forouzanfar, Joodaki Mojtaba, Feghhi Rouhollah, An 8.8-9.8 GHz 100W hybrid solid state power amplifier for high power applications, pp. 433-437, 2014, بیست و دومین کنفرانس مهندسی برق ایران, 05 20.

Papers in Journals

1. Mehdi Forouzanfar, Paolo Colantonio, Design and fabrication of a GaN HEMT power amplifier based on hidden Markov model for wireless applications, Plos One, Vol. 5, No. 18, pp. 1-18, 2023, JCR, Scopus.
2. Abolfazl Bijari, Reza Sahragard shahrakht, Mehdi Forouzanfar, Design and simulation of wideband high-Efficiency X-band MMIC power amplifier based on GaN HEMT technology, Majlesi Journal of Telecommunication Devices, Vol. 4, No. 11, pp. 215-219, 2022, isc.
3. Mehdi Forouzanfar, A New 3D Frequency-Selective Structure for 5G Communication, Recent Advances in Electrical and Electronic Engineering, pp. 1-10, 2023, ISI, JCR, Scopus.
4. Mohammad Soruri, Seyyed Mohammad Razavi, Mehdi Forouzanfar, Paolo Colantonio, Design and fabrication of a GaN HEMT power amplifier based on hidden Markov model for wireless applications, Plos One, Vol. 5, No. 18, pp. 1-18, 2023, JCR, Scopus.
5. Mehdi Forouzanfar, Design and Optimizing of a GaN HEMT Power Amplifier Based on the Inclined Planes System Optimization Algorithm for Wireless Applications, Iranian Journal of Electrical and Electronic Engineering, Vol. 3, No. 18, pp. 1-9, 2022, isc, Scopus.
6. Mehdi Forouzanfar, Abolfazl Bijari, Power efficiency enhancement analysis of an inverse class D power amplifier for NB-IoT applications, Analog Integrated Circuits And Signal Processing, Vol. 3, No. 107, pp. 551-565, 2021, JCR, Scopus.
7. Mehdi Forouzanfar, Design and Implementation of 4:1 Wilkinson Power divider, Majlesi Journal of Telecommunication Devices, Vol. 3, No. 10, pp. 125-127, 2021, isc.

8. Mehdi Forouzanfar, Sadegh Vahabi, & Amlashi, Poursan Layegh, Bita Kiafar, Masoumeh Hoseininezhad, Mohammadreza Abbaspour, Saeedeh Hajebi Khaniki, Vahideh Sabeti, A randomized clinical trial on therapeutic effects of 0.25 mg oral minoxidil tablets on treatment of female pattern hair loss, *Dermatologic Therapy*, Vol. 6, No. 34, pp. 1-9, 2021, ISI, JCR, Scopus.
9. Mehdi Forouzanfar, Simulation and fabrication of 3.5W 8.8-9.2 GHz power amplifier, *Majlesi Journal of Telecommunication Devices*, Vol. 4, No. 10, pp. 1-4, 2021, isc.
10. Mehdi Forouzanfar, Joodaki Mojtaba, Efficiency enhancement by employing the transistor nonlinear capacitors effects in a 6W hybrid X-band Class-J power amplifier, *International journal of RF and Microwave Computer-Aided Engineering*, Vol. 28, pp. 0-, 2018, JCR, Scopus.
11. Mehdi Forouzanfar, Joodaki M., Systematic design of hybrid high power microwave amplifiers using large gate periphery GaN HEMTs, *AEU - International Journal of Electronics and Communications*, Vol. 84, pp. 225-233, 2018, JCR, Scopus.