Curriculum Vitae

NAME & SURNAME: Shahrzad Ajabi

DATE OF BIRTH: 1975

ADDRESS, SUBURB, STATE, POSTAL CODE: Department of Electrical Engineering, Faculty of Engineering, Shahid Chamran University of Ahvaz, Ahvaz, Iran & Postal code: 61357- 83151

PHONE/MOBILE NUMBER: 061-33330010-9, Ext.: 5644

E-MAIL ADDRESS: Ajabi_shz@scu.ac.ir; ajabi_shz@yahoo.com;

PROFESSIONAL PROFILE:

Assistant Professor of Electrical Engineering in Shahid Chamran University (SCU) of Ahvaz, Iran

EDUCATION BACKGROUND:

Ph.D.: Electronic engineering (2018), Shahid Chamran University of Ahvaz, Ahvaz, Iran.

Thesis title:

Design of a CMOS 24 GHz Phased Array Receiver Front End for Short Range radar

M.Sc.: Communication Engineering (Fields and waves) (2002), Tarbiat Modares University, Tehran, Iran.

Dissertation title:

Channel modeling for LEO satellite system

B.Sc.: Communication Engineering (1998), Sharif University of Technology, Tehran, Iran.

Curriculum Vitae

TEACHING AND TRAINING EXPERINCE:

- Electrical circuits
- Electromagnetism
- Principles of communication systems
- Microprocessors
- Digital systems
- Digital systems Lab
- Advanced CMOS Circuit Designs
- Pulse & Digital Circuits LAB
- Electronic1
- Digital Electronics

INTERESTS AND RESEARCH FIELDS:

- Receiver circuits
- Analogue Integrated Circuits
- RF circuits

RESEARCH ACTIVITIES:

PUBLICATIONS:

- S. Ajabi and H. Kaabi, "A 24GHz High Dynamic Range Low-Noise Amplifier Design Optimization Methodology and Circuit Configuration," Iranian Journal of Science and Technology, Transactions of Electrical Engineering, pp. 1-10, 2021.
- S. Ajabi, H. Kaabi, and K. Ansari-Asl, "A novel high dynamic range differential LNA using quartet topology," Analog Integrated Circuits and Signal Processing, vol. 97, no. 3, pp. 593-601, 2018
- M. Askari, H. Kaabi, Y. S. Kavian, and S. Ajabi, "A Wideband 5-bit Switched Step Attenuator in 0.18 µm CMOS Technology," IETE Journal of Research, vol. 62, no. 3, pp. 295-300, 2016/05/03 2016.

RESEARCH PROJECTS:

- Investigating the change of lighting and illumination of the complex in order to optimize electricity consumption and improve the lighting condition of Bouali Sina Petrochemical Company.
- Design and reverse engineering of electronic digital board titration control board

PROFESSIONAL MEMBERSHIPS:

ISEE

Curriculum Vitae

LANGUAGES:

PERSIAN: Native
ENGLISH: Good