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Education

- ✓ B.Sc, Electrical Engineering - Electronics, Sistan and Baluchestan University - 1986
- ✓ MS, Electrical Engineering - Electronics, University of Tehran - 1992

Courses

1. Logic Circuits

2. Fundamentals of Digital Electronics

Journals Papers

2016

1. [Successive approximation-like 4-bit full-optical analog-to-digital converter based on Kerr-like nonlinear photonic crystal ring resonators](#)

, Mohammad Ali Mansouri Birjandi, Mahdi Saffari

PHYSICA E-LOW-DIMENSIONAL SYSTEMS and NANOSTRUCTURES Volume: (83) 101 - 106

2013

2. [Tuning of Photonic Crystal Ring Resonators for Application in Analog to Digital Converter Systems](#)

Mahdi Saffari, Mohammad Ali Mansouri Birjandi, Mohammad Reza Rakhshani

international research journal of applied and basic sciences Volume: (5) 341 - 346

2012

3. [Add-Drop and Channel-Drop Optical Filters Based on Photonic Crystal Ring Resonator](#)

, Mohammad Ali Mansouri Birjandi, Mahdi Saffari

International Journal of Communications and Information Technology Volume: (1) 19 - 24

Conferences Papers

2018

1. [Proposal for a Kerr-Tunable All-Optical Switch Based on Photonic Crystal Ring Resonators](#)

The 24th Iranian Conference on Optics and Photonics (ICOP 2018) and the 10th Iranian Conference on Photonics Engineering and Technology (ICPET 2018)

Alireza Tavousi, Mahdi Saffari, Mohammad Ali Mansouri Birjandi

2010

2. [one-Dimensional Photonic Analog-to-Digital Converter based on kerr-like Nonlinearity](#)

1st International Conference Communications Engineering (ICCE2010)

Mahdi Saffari, Mohammad Ali Mansouri Birjandi

2009

3. [Design of low voltage rail - to- rail CMOS transconductance using composite cells](#)

Mohammad Ali Mansouri Birjandi, Mahdi Saffari

Executive activities

Research Project

2000

[1. Compression and reconstruction of mobile images to be used in video telephone](#)

Mehdi Rezaei, Mahdi Saffari - 2000