

BOSHRA ZAKERSALEHI

CONTACT INFORMATION

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EDUCATION

Master of Science in Electrical Engineering *Sept. 2014 - Feb. 2017*
Amirkabir University of Technology, Tehran, Iran

- Thesis: “Design and Implementation of Dual-Band Direct Antenna Modulation (DAM)”
- Supervisors: [Dr. Gholamreza Moradi](#) & [Dr. Amir Jafargholi](#)
- Total cumulative GPA: 17.32/20.00

Bachelor of Science in Electrical Engineering *Sept. 2008 - Jan. 2011*
University of Khorasan, Mashhad, Iran

- Thesis: “Modeling and Simulation of the Duct Phenomenon in the Southern Sea Areas of Iran”
- Supervisor: [Dr. Mohsen Zardadi](#) & [Dr. Reza Sarraf Shirazi](#)

Associate of Science in Electrical Engineering *Sept. 2005 - Aug. 2008*
University of Kashan, Kashan, Iran

- Thesis: “Remote Controlling with Phone using AVR Microcontroller”
- Supervisor: [Dr. Abbas Ketabi](#)

CAREER HISTORY

- **Research Assistant** *Sept. 2014 - Sept. 2017*
[Electromagnetic & Antenna Laboratory](#),
Amirkabir University of Technology, Space Research Institute
Supervisor: [Dr. Amir Jafargholi](#)
- **Research Assistant** *March 2015 - Sept. 2017*
[Wave Propagation and Microwave Measurement](#),
Amirkabir University of Technology, Department of Electrical Engineering
Supervisors: [Dr. Gholamreza Moradi](#) & [Dr. Reza Sarraf Shirazi](#)
- **Educational Specialist** *Oct. 2016 - Sept. 2017*
Deputy of Education — Undergraduate Office,
Amirkabir University of Technology, Department of Electrical Engineering
Supervisor: [Dr. Abdolali Abdipour](#)
- **Contracts Specialist** *Oct. 2011 - May 2016*
Office of Industry and Technology Affairs,
Amirkabir University of Technology, Research and Technology Administration
Supervisor: [Dr. Ahmad Afshar](#) & [Dr. Farhad Sharif](#)

SKILLS

- **Programming and Markup Languages:** Python, Matlab, L^AT_EX.
- **Technical Simulation Softwares:** Lumerical Solutions, Klayout, ADS, CST, HFSS, Altium Designer, Proteous.
- **Language Skills:**
 - Persian: Native
 - English: Professional working proficiency
 - Dutch: Starter Level (A1)
 - Arabic: Elementary proficiency

SELECTED PROJECTS

- **Design and Simulation of a Silicon-on-Isolator Duplexer using Mach-Zehnder Interferometer,**
Course: Silicon Photonics Design, Fabrication and Data Analysis, Supervised by [Dr. Amin Khavasi](#)
Aug. 2018
- **Design and Implementation of Dual-Band Direct Antenna Modulation (DAM),**
[Electromagnetic & Antenna Laboratory](#), Supervised by [Dr. Amir Jafargholi](#) & [Dr. Gholamreza Moradi](#)
Feb. 2016 - Feb. 2017
- **Design and Implementation of UHF Transceiver,**
[Electromagnetic & Antenna Laboratory](#), Supervised by [Dr. Amir Jafargholi](#)
April 2016 - Nov. 2016
- **Design and Implementation of Low Dimensional UHF Transceiver,**
[Electromagnetic & Antenna Laboratory](#), Supervised by [Dr. Amir Jafargholi](#)
Sept. 2015 - Sept. 2016
- **Design and Implementation of Low Frequency and High Power Signal Generator,**
[Electromagnetic & Antenna Laboratory](#), Supervised by [Dr. Amir Jafargholi](#)
March 2015 - Dec. 2015
- **Design and Simulation of a Power Amplifier for WLAN Applications,**
Course: RF Circuits and Subsystems Design, Supervised by [Dr. Abdolali Abdipour](#)
2015 - Fall
- **Solving Wave Equation using Finite Difference Method using Matlab,**
Course: Advanced Engineering Mathematics, Supervised by [Dr. Gholamreza Moradi](#)
2014 - Fall

AWARDS AND HONORS

- **Best Employee Award,** Head of Industry and Technology Affairs Office,
Amirkabir University of Technology, Research and Technology Administration
Feb. 2013

CERTIFICATES

- **Introduction to Programming Using Python**
The University of Texas at Arlington (UTArLingtonX) *Dec. 2018*
- **Silicon Photonics Design, Fabrication and Data Analysis**
Sharif University of Technology, Tehran, Iran *Aug. 2018*
- **Patent Registration and Commercialization of Inventions Workshop**
Amirkabir University of Technology, Professional Training Center *Dec. 2014*
- **Introduction to Procedure and Methods of International Patent Registration and Commercialization of Inventions**
Amirkabir University of Technology, Industry and Technology Affairs Office *March 2014*
- **Principles of Negotiation Skills Workshop**
Amirkabir University of Technology, Planning and Budgeting Office *July 2013*

- **Project Management with Microsoft Project (MSP) Software Workshop**
Amirkabir University of Technology, Industry and Technology Affairs Office

Jan. 2013

REFERENCES

Gholamreza Moradi,

Associate Professor, Electrical Engineering
Visiting Professor in University of Alberta
Department of Electrical Engineering
Amirkabir University of Technology (Tehran Polytechnic)
Email: ghmoradi@aut.ac.ir

Amir Jafarholi,

Assistant Professor, Aerospace Engineering
Department of Aerospace Engineering
Amirkabir University of Technology (Tehran Polytechnic)
Email: ajafarholi@aut.ac.ir

Abdolali Abdipour,

Professor, Electrical Engineering
Deputy of Education, Faculty of Electrical Engineering
Department of Electrical Engineering
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