

Ali Jafargholi

Contact Information

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Education

- M. Sc., Communication Engineering (Fields & Waves)
Sep. 2012- Feb. 2015
Sharif University of Technology, Tehran, Iran
Supervisor: Dr. Borji, Amir, Sharif University of Technology
Thesis: *Analysis and Design of Graphene-Based Terahertz Nano circuits*
- B. Sc., Communication Engineering
Sep. 2007- Sep. 2012
Sharif University of Technology, Tehran, Iran
Supervisor: Prof. Farzaneh, Forouhar, Sharif University of Technology
Thesis: *Design and construction of an ultra-wideband printed log-periodic dipole antenna*

Research interest

- Graphene and its application in Plasmonic Nano-circuits.
- Terahertz technology, communication systems.
- Analytical and numerical techniques in electromagnetic and optics.
- Surface Plasmon polariton, Plasmonic devices.
- Photonic, Biomedical sensors.
- Metamaterials, ENZ structures.

Publication

1. Amir Jafargholi, **Ali Jafargholi**, "Compact Broadband Printed Monopole Antenna", *Aces Journal*, Vol.28, No.4, pp. 321-326, April 2013.
2. Amir Jafargholi, **Ali Jafargholi**, "Broadband Miniaturized Efficient Array Antennas", *Aces Journal*, Vol.28, No.3, pp. 188-194, March 2013.
3. Amir Jafargholi, **Ali Jafargholi**, " Ultra wideband Negative Refraction Based on Moving Media Concept", *Aces Journal*, Vol.27, No.11, pp. 931-937, November 2012.

Work experience

- **Research Assistant**, Electromagnetic and antenna lab, Amirkabir University of Technology, Tehran, Iran, Sep. 2014 – present.
- **Teacher Assistant**, Engineering Electromagnetic, Sharif university of Technology, Tehran, Iran, Feb. 2014 – Jun. 2014.
- **Teacher Assistant**, Engineering Mathematics, Sharif University of Technology, Tehran, Iran, Feb. 2014 – Jun. 2014.

Computer and Programing skills

- Expert in working with MATLAB, COMSOL, CST, HFSS, Microwave Office, PSPICE, Altium Designer.
- Expert in programing in C/C++.
- Familiar with HSPICE.

References

- Dr. Amir Borji, Assistant Professor, Department of Electrical Engineering, Sharif University of Technology, Tehran, Iran.
aborji@sharif.edu
- Prof. Farzaneh, Professor, Department of Electrical Engineering, Sharif University of Technology, Tehran, Iran.
Farzaneh@sharif.edu
- Dr. Amir Jafarholi, Assistant Professor, Institute of Space Science and Technology, Amirkabir University of Technology, Tehran, Iran.
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- Dr. Behzad Rejaei, Associated Professor, Department of Electrical Engineering, Sharif University of Technology, Tehran, Iran.
rejaei@sharif.edu
- Dr. Mehdi Ahmadi-boroujeni, Assistant Professor, Department of Electrical Engineering, Sharif University of Technology, Tehran, Iran.
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