



Saeedeh Barzegar-Parizi

Email: barzegarparizi@sirjantech.ac.ir, saeedeh_parizi@yahoo.com

EDUCATION:

- Ph.D. Engineering, Sharif University of Technology, Tehran, Iran, 2015.
- M.Sc. Electrical Engineering, Sharif University of Technology, Tehran, Iran, 2010.
- B.Sc. Electrical Engineering, Iran University of Science and Technology Electrical Engineering, Tehran, Iran, 2008.

RESEARCH INTERESTS:

- Electromagnetic scattering analysis
- The numerical solving of periodic structures, artificial dielectrics
- The study of Graphene metamaterials.

TEACHING EXPERIENCE:

- 1-Engineering mathematics
- 2-Electronic 1
- 3-Electrical Circuits 1
- 4-Electrical Circuits 2
- 5-Electronic Physics
- 6-Linear control systems

PUBLICATION:

(A) Journal Papers

[1] S. Barzegar-Parizi, "Study of backward waves in multilayered structures composed of graphene microribbons," *J. Appl. Phys.*, vol. 119, p. 193105, 2016.

[2] **S. Barzegar-Parizi**, B. Rejaei and A. Khavasi, "Analytical Circuit Model for Periodic Arrays of Graphene Disks," *Quantum Electronics, IEEE Journal of*, vol. 51, 2015.

[3] **S. Barzegar-Parizi** and B. Rejaei, "An Exact Method for the Extraction of Effective Bulk and Surface Parameters of Periodic Artificial Media," *Antennas and Propagation, IEEE Transactions on*, vol. 63, pp. 2521 – 2531, 2015.

[4] **S. Barzegar-Parizi** and B. Rejaei, "Calculation of effective parameters of high permittivity integrated artificial dielectrics," *Microwaves, Antennas & Propagation, IET*, vol. 9, pp. 1287 – 1296, no. 12, 2015.

[5] **S. Barzegar-Parizi** and A. A. Shishegar, "Electromagnetic Wave Scattering Analysis From 2-D Periodic Rough Surfaces Using Complex Images Technique," *Geoscience and Remote Sensing, IEEE Transactions on*, vol. 53, pp. 862-868, 2015.

(B) Conference Papers

[6] **S. Barzegar-Parizi** and B. Rejaei, "Millimeter-wave artificial dielectric waveguides for integrated applications," *IEEE International Microwave and RF Conf.*, Bangalore, pp. 225-228, 2014.

[7] **S. Barzegar-Parizi** and A. A. Shishegar, "Electromagnetic scattering from perfectly conducting periodic rough surfaces using complex images technique," *IEEE Antennas and Propagation Society International Symposium (APSURSI)*, Toronto, Canada, pp. 1-4, 2010.