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Education

B.Sc., Electrical Engineering, University of Tehran, Tehran, Iran.

M.Sc., Electrical Engineering (honors), Tarbiat Modares University, Tehran, Iran.

Ph.D., Electrical Engineering (honors), Tarbiat Modares University, Tehran, Iran.

Research Interests

Antennas, Metamaterials, Electromagnetic, Numerical Methods in Electromagnetic, Active & passive Microwave circuits, Active Integrated Antennas, Optics, BioElectromagnetic

Awards

Prominent Professor of Electrical Engineering for the year 2013-2014, in TMU

Prominent Inventor of Electrical Engineering for the year 2012-2013, in TMU

Patents

1. K. Hosseini, Z. Atlasbaf, "Analysis and Synthesis of Singly-Curved Microstrip Structures Utilizing Modified Schwarz-Christoffel Transformation", No. 81428, 2014
2. Z.Vahidpour, K.Forooraghi, A.Fotowat & Z.Atlasbf, "Fast Frequency sensing by using Phase- Frequency detector", No. 77943, 2013
3. R.Shamsaee, Z. Atlasbaf, "Design and Implementation of a Dual-band Single Layer Reflectarray Antenna in X and K Bands", No.77044, Sept. 2012
4. R.Shamsaee, Z. Atlasbaf, 'Design and Implementation of Broadband Reflectarray Antenna for Radar and Space Satellite Applications', No. 73946, Jan. 2012

Books

- 1- K. Hosseini, Z. Atlasbaf, "Application of Composite Right/Left-Handed Metamaterials in Leaky Wave Antennas", *chapter of book* "Modern Antenna Systems", ISBN 978-953-51-4943-9

Journal Papers

1. K. Hosseini, Z. Atlasbaf, "Simple Intuitive Relations Concerning the Effect of Boundaries on the Stability of the FDTD Method", *IEEE Transactions on Antennas and Propagation*, , 2018
2. P.Fathi, Z. Atlasbaf, K. Forooraghi, "Compact Dual-Wideband Bandpass Filter Using CSRR Based Extended Right/Left-Handed Transmission Line", *Progress in Electromagnetic Research C*, Vol. 81, 21–30, 2018
3. K. Hosseini, Z. Atlasbaf, "Efficient Three-Step LOD-FDTD Method in Lossy Saturated Ferrites with Arbitrary Magnetization", *IEEE Transactions on Antennas and Propagation*, <http://doi:10.1109/TAP.2018.2796383>, Vol. 66, No.3, pp. 1374-1383, March 2018
4. K. Hosseini, Z. Atlasbaf, "PLRC-FDTD Modeling of General GSTC-Based Dispersive Bianisotropic Metasurfaces", *IEEE Transactions on Antennas and Propagation*, <http://doi:10.1109/TAP.2017.2769691> , Vol. 66, No.1, pp. 262-270, January 2018
5. M. Mohammadi, P.Alizadeh, Z.Atlasbaf, "Investigation on electrical properties of wollastonite glass-ceramic and wollastonite glass-ceramic/TiO₂ composites", *Physics and Chemistry of Glasses-European Journal of Glass Science and Technology Part B*, Vol. 5, pp. 201-206, 2017
6. M. Bozorgi, Z. Atlasbaf, "Theoretical Investigations on a Class of Double-Focus Planar Lens on the Anisotropic Material", *Optics Communications*, vol. 391, pp. 48-56, 2017
7. K. Hosseini, Z. Atlasbaf, "Unconditionally Stable FDTD in Anisotropic Magnetized Plasma", *IEEE Microwave and Wireless Components Letters*, <http://doi:10.1109/LMWC.2017.2662016>, vol. 27, No. 3, pp. 212-214, Mar. 2017
8. A. Sedghara, Z. Atlasbaf, "A Novel Single Feed Reconfigurable Antenna for Polarization and Frequency Diversity", *International Journal of Microwave and Wireless Technologies*, <http://doi:10.1017/S1759078716001240>, 7 pages, Dec. 2016
9. Z.Sharifi, Z. Atlasbaf, "A new procedure to design low RCS near perfect isotropic and homogeneous triangular carpet cloaks", *Journal of the Optical Society of America A*, <http://doi:10.1364/JOSAA.33.002066>, vol. 33, Issue 10, pp. 2066-2070, 2016
10. P.Fathi, Z. Atlasbaf, K. Forooraghi, "A Modified Extended Right/Left Handed Layout Loaded With CSRR For Quad Band Applications", *Progress in Electromagnetic Research Letters*, vol. 61, page 7-12, 2016
11. M. Bozorgi, Z. Atlasbaf, "Spectral Solution for Scattering Analysis of Periodic Plasmonic Nano-antennas on Iso/Anisotropic Substrate", *IEEE Journal of Lightwave Technology*, OSA, <http://doi:10.1109/JLT.2016.2541923>, 2016
12. M. Niayesh, Z. Atlasbaf, "Broadband CRLH Beam Scanning Leaky-wave Antenna Designed on Dual-layer SIW", *The Applied Computational Electromagnetics Society Journal (ACES)*, vol. 31, No. 4, pp. 450-454, April 2016
13. M. Rafaei Booket, Z. Atlasbaf, M. Shahabadi, "Broadband Reflectarray Antenna on a Periodically Perforated Substrate", *IEEE Trans. Antennas and Propagation*, vol. 64, No. 8, pp. 3711-3717, August 2016
14. Zahra Hamzavi Zarghani and Zahra Atlasbaf, "A Single-Layer Multi-Band Reflectarray Antenna in X/Ku/K Bands", *The Applied Computational Electromagnetics Society Journal (ACES)*, vol. 31, No.5, pp. 555-561, May 2016
15. A. Khaledian, Z. Atlasbaf, "Dual Band and Dual Mode Microstrip Antenna for Body Centric Wireless Communication", *The Applied Computational Electromagnetics Society Journal (ACES)*, vol. 31, No. 4, pp. 417-422, April 2016
16. M. Rafaei Booket, Z. Atlasbaf, "A New Ku-Band Reflectarray Antenna by Using Anisotropic Superstrate on an Artificial Magnetic Conductor", *International Journal of Microwave and Wireless Technologies*, DOI: <http://dx.doi.org/10.1017/S175907871600060X>, 11 pages., 2016
17. S. Keshavarzi, Z. Atlasbaf, "Switchable Bandpass Filter Using CRLH Cells Based on a New Kind of Admittance Inverter", *International Journal of Microwave and Wireless Technologies*, DOI: <http://dx.doi.org/10.1017/S1759078715001488>, 9 pages. Published online: 07 April 2016

18. Javad Aliasgari, Zahra Atlasbaf, "A Novel Compact Monopulse Parallel Plate Slot Array Antenna", *IEEE Antenna and Wireless Propagation Letter*, vol. 15, pp.762-765, 2016
19. A. Sedghara, Z. Atlasbaf, "A New Dual-Band, Dual-Polarized and Single Feed Reconfigurable Antenna", *The Applied Computational Electromagnetics Society Journal (ACES)*, vol. 31, No. 1, pp. 26-31, Jan. 2016
20. Hojjatollah Fallahi, Zahra Atlasbaf, "Bandwidth Enhancement of a CPW-fed Monopole Antenna with Small Fractal Elements", *International Journal of Electronics and Communications (AEÜE)*, vol. 69, pp. 590-595, 2015
21. Zahra Hamzavi Zarghani and Zahra Atlasbaf, "A New Broadband Single-Layer Dual-Band Reflectarray Antenna in X and Ku Bands", *IEEE Antenna and Wireless Propagation Letter*, vol.14, pp.602-604, 2015
22. Seyed Amir Hossein Saghanezhad, Zahra Atlasbaf, "Miniaturized Dual-band Cpw-fed Antennas Loaded with U-shaped Metamaterials", *IEEE Antenna and Wireless Propagation Letter*, vol.14, pp. 658-661, 2015
23. Farzaneh Ahmadi, Keyvan Forooraghi, Zahra Atlasbaf & Bal Virdeeb, "Bandwidth Enhancement of Dielectric Resonator Reflectarray Antenna", *Electromagnetics*, 34:7, pp. 513-521, 2014
24. Majid Noroozariab, Zahra Atlasbaf, Farhad Farzami, "Substrate Integrated Waveguide Loaded by 3Dimensional Embedded Split Ring Resonators", *International Journal of Electronics and Communications (AEÜE)*, vol. 68, pp. 658-660, 2014
25. Reza Shamsaee Malfajani, Zahra Atlasbaf, "Design and Implementation of a Dual-band Single Layer Reflectarray in X and K Bands", *IEEE Trans. Antennas and Propagation*, vol. 62, No. 8, pp. 4425-4431, 2014
26. Hojjatollah Fallahi, Zahra Atlasbaf, "Study of a Class of UWB CPW-fed Monopole Antenna with Fractal Elements", *IEEE Antenna and Wireless Propagation Letter*, Vol. 61, pp. 1-8, 2013
27. Keyhan Hosseini, Zahra Atlasbaf, "Analysis and Synthesis of Single-Curved Microstrip Structures Utilizing Modified Schwarz-Christoffel Transformation", *IEEE Trans. Antennas and Propagation*, vol. 61, pp. 5940-5947, 2013
28. Farzaneh Ahmadi, Keyvan Forooraghi, Zahra Atlasbaf, Bal Virdee, "A New Dielectric Resonator Antenna Element for Circularly Polarized Reflectarray Antenna", *Electromagnetics*, 33:8, pp. 575-582, 2013
29. A. Ghaedi, Z. Atlasbaf, A. Pirhadi, "Electromagnetic Cloak as an Electric Shield with the Least SCS", *Electronic Industries*, pp. 81-98, 2013
30. Keyhan Hosseini, Zahra Atlasbaf, "Guided- and Radiated-Wave Characteristics of a Rectangular Patch Antenna Located on a Singly-Curved Surface", *PIERC*, vol. 38, pp. 205-216, 2013
31. F. Ahmadi, K. Forooraghi, Z. Atlasbaf, Bal Virdee, "Dual Linear Polarized Dielectric Resonator Reflectarray Antenna", *IEEE Antenna and Wireless Propagation Letter*, pp. 635-638, 2013
32. Abed PourSohrab, Zahra Atlasbaf, "A Circuit Analog Absorber with Optimum Thickness and Response in X band", *IEEE Antenna and Wireless Propagation Letter*, pp. 276-279, 2013
33. Keyhan Hosseini, Zahra Atlasbaf, "Mutual Coupling Between Two Microstrip Patch Antennas on a Singly-Curved Surface", *IEEE Antenna and Wireless Propagation Letter*, pp. 313-316, 2013
34. Zeynab Vahidpoor, Keyvan Forooraghi, Ali Fotowat-Ahmadi and Zahra Atlasbaf, "Fast adjustable sensing circuit for cognitive radio applications", *International Journal of Circuit Theory and Applications*, DOI: 10.1002/cta.1878, 2013
35. Zeynab Vahidpoor, Keyvan Forooraghi, Ali Fotowat-Ahmadi and Zahra Atlasbaf, "Coplanar waveguide-fed Planar Spiral Antenna with Integrated Impedance Transformer", *Microwave and Optical Technology Letters*, pp.1338-1341, 2013
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39. Reza Shamsaee Malfajani, Zahra Atlasbaf, "Design and Implementation of a Broadband Single-Layer Reflectarray Antenna With Large-Range Linear Phase Elements ", *IEEE Antenna and Wireless Propagation letters*, vol.11, pp. 1442-1445, 2012
40. M. Rafael Booket, M. Veysi, Z. Atlasbaf, A. Jafarholi, "Ungrounded composite right-/left-handed metamaterials: design, synthesis and applications", *IET Microwave, Antennas & Propagation*, pp. 1259-1268, 2012
41. Reza Shamsaee Malfajani, Zahra Atlasbaf, "Design and Implementation of a Broadband Single Layer Circularly Polarized Reflectarray Antenna", *IEEE Antenna and Wireless Propagation letters*, vol. 11, pp. 973-976, 2012
42. S.Rezvani, Z.Atlasbaf, K.Forooraghi, " A New Compact Reconfigurable Patch Antenna for Polarization and Frequency Diversity", *Electromagnetics*, vol. 32, pp.287-293, 2012
43. Mehdi Mahdavi, Zahra Atlasbaf, Keyvan Forooraghi, "A Very Compact CPW-fed Ultra-Wideband Circular Monopole Antenna", *Microwave and Optical Technology Letters*, vol. 54, No.7, pp.1665-1668, 2012
44. Omid Zandi, Zahra Atlasbaf, Mohammad Abrishamian, "Alternative Expression for the Phase Homogenous Plane Waves", *IEEE Transacion on Microwave Theory and Techniques*, vol. 59, No. 11, pp. 2781-2787, Nov. 2011
45. Nasrin Amiri, Keyvan Forooraghi, and Zahra Atlasbaf, "A Wideband Uniplanar Polarization Independent Left-Handed Metamaterial", *IEEE Antenna and Wireless Propagation Letters*, vol. , No. , pp. , 2011
46. M.A. Nikravan and Z. Atlasbaf, " Tapered-Lline Resonators and Their Applications to Compact Dual-Band Bandpass Filters", *JEMWA*, Vol. 25, no. 8/9, pp. 1280-1288, 2011
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48. M.A. Nikravan and Z. Atlasbaf, "T-section dual-band impedance transformer for frequency-dependent complex impedance loads", *IET Electronics Letters*, vol. 47, No. 9, pp. 551 - 553 , 28th April 2011
49. M.Naghipourfar, Z.Atlasbaf, "NEW DUAL-BAND DNG METAMATERIALS", *Canadian Journal on Electrical and Electronics Engineering*, pp. , 2011
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51. N.Amiri, K. Forooraghi, Z.Atlasbaf, "A Miniaturized Planar Non-bianisotropic Left-Handed Metamaterial", *International Journal of RF and Microwave Computer-Aided Engineering*, 2011
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53. Omid Zandi, Zahra Atlasbaf, M.S. Abrishamian, "Combined Electromagnetic Energy and Momentum Conservation Equation", *IEEE Trans. Antenna and Propagation*, pp. , 2010
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55. O.Zandi and Z.Atlasbaf, "Novel Method to Analyze And Design One-Dimensional Reciprocal Periodic Structures with Symmetrical Cells", *Progress in Electromagnetic Research B*, Vo. 19, pp. 285-303, 2010

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57. H.Sabri and Z.Atlasbaf, "Two Novel Compact Triple-Band Microstrip Annular-Ring Slot Antenna For PCS-1900 and WLAN Applications", *Progress in electromagnetic research Letters*, PIERL, Vol. , pp., 2008
58. S.A. Hosseini, Z.Atlasbaf and K. Forooraghi, "Two new loaded compact planar ultra-wideband antennas using defected ground structures", *Progress in electromagnetic research, PIER B*, Vol. 2, 165-176, 2008
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61. O.Zandi, Z. Atlasbaf and K. Forooraghi, " Flat Multilayer Dielectric Reflector Antennas", *Progress in electromagnetic research, PIER 2007*
62. Reza Dehbashi, Zahra Atlasbaf and Keyvan Forooraghi, "A new compact size microstrip antenna with harmonic rejection", *IEEE Antennas and Wireless Propagation Letters*, Vol.5, pp.395-398, 2006.
63. Z.Atlasbaf, K. Forooraghi, "Applying variations op permeability and permittivity in isotropic and anisotropic media by using hybrid nodes in transmission line matrix method", *Journal of Tarbiat Modares University*, No. 16, pp. 23-32, Summer 2004
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Conference Papers

1. Ashkan Esmaeilnia Shirvani, Zahra Atlasbaf, " Analyzing One Layer Array consisting of two sets of different sphere particle", *26th Iranian Conference on Electrical Engineering (ICEE2018)*, 2018
2. Shiva Hayati Raad, Zahra Atlasbaf, " Tunable Optical Absorption using Graphene Covered Core-Shell Nano-Spheres", *26th Iranian Conference on Electrical Engineering (ICEE2018)*, 2018
3. K. Hosseini, Z.Atlasbaf, " Development of a CPML for Scattered-Field One- Step Leapfrog ADI-FDTD Scheme", *25th Iranian Conference on Electrical Engineering (ICEE2017)*, 2017
4. Montazeri, ' CLLR' آنتن تک قطبی کوچک فراهین باند دارای قابلیت کنترل باند حذف با استفاده از بارگذاری تشدیدگر حلقه خازن، *24th Iranian Conference on Electrical Engineering (ICEE)*, pp. 1-4, 2016
5. M. Abdollahvand; J. A. Encinar; K. Forooraghi; Z. Atlasbaf; M. Barba, " Single-layer dual-frequency reflectarray for Ka-band antennas", *10th European Conference on Antennas and Propagation (EuCAP)*, DOI: 10.1109/EuCAP.2016.7481879, pp. 1-4, 2016
6. M. Abdollahvand, J. A. Encinar, K. Forooraghi, Z. Atlasbaf, J. E. Page, "Tri-Band FSS for Ku/Ka Bands Reflector Antennas", *10th European Conference on Antennas and Propagation (EuCAP)*, DOI: 10.1109/EuCAP.2016.7481865, pp. 1-4, 2016

7. K. Hosseini, Z. Atlasbaf, "Product Formula Approach for Stable FDTD Modeling of Magnetized Plasma", 24th Iranian Conference on Electrical Engineering (ICEE), 2016
8. P. Fathi, Z. Atlasbaf, "A novel layout for extended composite right/left handed transmission lines based on CSRR resonators", 24th Iranian Conference on Electrical Engineering (ICEE), 2016
9. J. Aliasgari, Z. Atlasbaf, "A Novel Monopulse Planar Array Using CSRR Slots", 23rd Iranian Conference on Electrical Engineering (ICEE), pp. 274-277, 2015
10. M. Rafee, Z. Atlasbaf, "Metallic Grating Embedded in an Anisotropic Slab for Realization of a Reflectarray Antenna", 23rd Iranian Conference on Electrical Engineering (ICEE), pp. 374-378, 2015
11. J. Aliasgari, Z. Atlasbaf, "آنتنهای مونوپالس آرایه‌ای شکاف شعاعی (RLSA)", *The third Iranian Conference on Engineering Electromagnetic (ICEEM 2014)*, Dec. 3-4, 2014
12. M. Zolfaghari, Z. Atlasbaf, "Study and Design of Conical Modified Goubau Waveguide at Terahertz Frequency", *The third Iranian Conference on Engineering Electromagnetic (ICEEM 2014)*, Dec. 3-4, 2014
13. Seyed Amir Hossein Saghanezhad, Zahra Atlasbaf, "Miniaturized Patch Antenna on Substrate Loaded with Ring-Shape Metamaterial", 22nd Iranian Conference on Electrical Engineering (ICEE), pp. 1591-1593, 2014
14. Z. Hamzavi Zarghani, Z. Atlasbaf, "A New Broadband Single-Layer Reflectarray Antenna", 22nd Iranian Conference on Electrical Engineering (ICEE), pp. 1619-1622, 2014
15. S.A.H. Saghanezhad, Z. Atlasbaf, "Miniaturized Dual band Rectangular Patch Antenna on Metasubstrate", *The Second Iranian Conference on Engineering Electromagnetics (ICEEM 2014)*, Jan. 8-9, 2014
16. Z. Hamzavi Zarghani, Z. Atlasbaf, "Design of Broadband Single-layer Reflectarray Antenna", *The Second Iranian Conference on Engineering Electromagnetics (ICEEM 2014)*, Jan. 8-9, 2014
17. Esrafil Jedari, Zahra Atlasbaf, Sima Noghianian, Behnam Shahrava, "Effects of Antenna Selection on Vehicle to Vehicle Communication in Highways", *Antennas and Propagation Society International Symposium (APSURSI)*, IEEE, pp. 2109-2111, 2013
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19. Sajjad Mohamadi, Keyvan Forooghi, Zahra Atlasbaf, "Gain Enhancement of Waveguide Slot Antennas Using Quasi-TEM Mode in Rectangular Waveguide", *Electrical Engineering (ICEE)*, 21st Iranian Conference on, pp. 1-4, 2013
20. Ailar SedghAra, Zahra Atlasbaf, "Reconfigurable Single-Feed Antenna With Switchable Polarization", *Electrical Engineering (ICEE)*, 21st Iranian Conference on, pp. 1-4, 2013
21. Ailar SedghAra, Zahra Atlasbaf, "A New Reconfigurable Single-Feed Microstrip Antenna With Polarization Diversity", *Antennas and Propagation (EuCAP)*, 2013 7th European Conference on, pp. 2403-2406, 2013
22. Norooziarab, M.; Rafeei-Booket, M.; Atlasbaf, Z.; Farzami, F.; "A tunable transmission line based on an SIW loaded by a new single-cell metamaterial," *Telecommunications (IST)*, 2012 Sixth International Symposium on, vol., no., pp.75-79, 6-8 Nov. 2012.
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26. Sepideh Fallahzadeh, Keyvan Forooraghi, and Zahra Atlasbaf," A Polarization-Insensitive Metamaterial Absorber with a Broad Angular Band", *Electrical Engineering (ICEE), 2012 20th Iranian Conference on*, pp. 1540 – 1543, 2012
27. Omid Zandi, Zahra Atlasbaf, Mohammad Sadegh Abrishamian, "Classification of Media Where Electromagnetic Fields Cannot Propagate", *Antennas and Propagation Society International Symposium (APSURSI), 2012 IEEE*, pp. 1-2, 2012
28. Booket M.Rafaei, Jafargholi,A., Atlasbaf Z.,Kamyab, M.," Miniaturized dual-band dipole antenna loaded with metamaterial based structure", 19th Iranian Conference on Electrical Engineering, 1-4, 2011
29. Zeynab Vahidpoor, Keyvan Forooraghi, Zahra Atlasbaf, Ali Fotowat Ahmadi," A New Spectrum Sensing Circuit for Cognitive Radio Applications", *Third International Conference on Computational Intelligence, Modelling & Simulation*, 2011, pp. 404-407, 2011
30. M.A.Nikravan, Z.Atlasbaf,"Compact Dual-Band Microstrip Bandpass Filter Using Folded Linear Tapered-Line Resonator", *Proceedings of Asia-Pacific Microwave Conference 2010*
31. Nasrin Amiri, Keyvan Forooraghi, Zahra Atlasbaf,"Design and Simulation of a Novel Double Negative Metamaterial",*Asia-Pacific Microwave Conference*, 2009
۳۲. -طراحی آنتنی بایترن زین اسبی در باند فرکانسی L برای محموله مخابراتی ماهواره های ارتفاع کم؛ کنفرانس برق دانشگاه صنعتی اصفهان ۱۳۸۹
33. Z. Vahidpoor, Keyvan Forooraghi, Ali Fotowatt Ahmadi, Z.Atlasbaf,"Two Dimensional Sensing for Cognitive Radio Applications Using Antenna Array", *Asia-Pacific Microwave Conference*, 2009
34. Hamed Movahedi Pour, Zahra Atlasbaf, Alireza Mirzaee, Mohammad Hakkak, " A Hybrid Approach Involving Artificial Network And ANT COLONY Optimization for Direction of Arrival Estimation", *Canada, pp. , IEEE 2008*
35. R.Dehbashi, K.Forooraghi, Z.Atlasbaf,"Circuit model of the new Inset-Fed U-slot microstrip antenna using transmission line model", *Antennas and Propagation International Symposium IEEE* , 3908- 3911, 2007
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38. Hamed Movahedi Pour, Zahra Atlasbaf, Mohammad Hakkak, "Evaluation of an MLP-based Direction of Arrival System Using Genetic Algorithm for Training", *Wireless and Microwave Technology Conference, 2006. WAMICON '06. IEEE Annual*, 1-5,2006
39. Zahra Atlasbaf, Keyvan Forooraghi,"A New Dual Band Branch-Line Coupler Using Coupled Lines", *7th Int. Symposium on Antennas Propagation and EM Theory Proceeding* 2006
40. Nosrati, M., Atlasbaf, Z., "A Compressed Planar Band Pass Filter Using Microstrip square resonators with interdigital capacitor", *7th Int. Symposium on Antennas , Propagation and EM Theory Proceeding* 2006
41. Mehdi Nosrati, Zahra Atlasbaf, "A New Miniaturized Electronically Tunable Bandpass Filter", *7th Int. Symposium on Antennas , Propagation and EM Theory Proceeding* 2006

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43. R.Dehbashi, K.Foororaghi, Z.Atlasbaf,"Dual-Fed Antenna for Wireless Power Transmission and Data Communication",*6 IEEE Antennas and Propagation Society International Symposium with USNC/URSI National Radio Science and AMEREM Meeting 2006*
44. R.Dehbashi, K.Foororaghi, Z.Atlasbaf,"Active Integrated Antennas Based Rectenna Using a New Probe-Fed U-slot Antenna with Harmonic Rejection", *IEEE Antennas and Propagation Society International Symposium with USNC/URSI National Radio Science and AMEREM Meeting 2006*
45. P.Varahram, Z.Atlasbaf and A.Farrok Payam,"Power Amplifiers linearization Based on Gain Predistortion Used in Third Generation Systems", *Iranian Conference on Electrical Engineering 2006*
46. R.Dehbashi, K.Foororaghi, Z.Atlasbaf"A Harmonic-Rejecting Inset-Fed U-Slot Antenna for Rectenna Application", *IEEE Sarnoff Symposium, Princeton, NewJerCy, March 2006*
47. R.Dehbashi, Z.Atlasbaf, K.Foororaghi, "Analysis of a Novel Band-Stop Resonator by 3D CFTD Method", *IEEE Sarnoff Symposium, Princeton, NewJerCy, March 2006*
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51. P.Varahram, Z.Atlasbaf,"Adaptive Digital Predistortion for High Power Amplifiers with Memory Effects", *Asia-Pacific Microwave Conference (APMC2005), 2005*
52. H.R.Oskouei, Z.Atlasbaf, "A Modified Dual Mode Band Pas Filter with Defected Ground Structure (DGS)", *The 13 Conference on Microwave Techniques (COMITE 2005),126-131, Sept.26-28, 2005*
53. Zahra Atlasbaf, Keyvan Foororaghi,"A New Hybrid method to calculate the Self Admittance of a Longitudinal Waveguide Slot Antenna Radiating", *Antennas and Propagation International Symposium, IEEE 2004*
54. Zahra Atlasbaf, Keyvan Foororaghi,"Radiation Pattern Calculation of Nearly Cylindrical Antennas Using the Spectrum of Two-Dimensional", *Antennas and Propagation International Symposium, IEEE 2002*

Editorial Board of Journals

1. Editorial Board Member of Scientia Iranica Journal
2. Reviewer of IEEE Transaction on Microwave Theory and Techniques
3. Reviewer of IEEE Transaction on Antennas and Propagation
4. Reviewer of Antenna and Wireless Propagation Letter
5. Reviewer of Journal of Electromagnetic Waves and Applications
6. Reviewer of Progress in Electromagnetic Research
7. Reviewer of IET

Memberships in Societies

1. IEEE Senior Member(2017) (AP & MTT& WIE)
2. ACES Member

Thesis Supervision

Supervising and advising over 40 Master's theses and Ph.D. dissertations in the mentioned research fields.

Ph.D. Thesis Supervised

1. Maryam Shadi,'
2. Fatemeh Moharami,'
3. Ashkan Esmailnia,'
4. Shiva Hayati raad,'
5. Keyhan Hosseini,' Unconditionally Stable FDTD in Complex Media'', Feb. 2018
6. Mahdieh Bozorgi,' Analysis of Plasmonic Nano-Antenna Supported by Anisotropic Media', Jan. 2017
7. Mahmood Rafaei Booket,' Analysys of Reflectarray Antenna supported by Uniaxial and Biaxial Anisotropic Layers', May 2016
8. Omid Zandi, 'Phase and Group Velocities of Electromagnetic Plane Waves in Bi-Anisotropic and Moving Media', Winter 2011

Ph.D. Thesis Advised

1. Mousa Abdollahvand,'
2. Zeynab Vahidpour,'
3. Nasrin Amiri,'

M.Sc. Thesis Supervised

1. Abdolhosseinzadeh,'
2. A. Shiekhaleslam,'
3. P. Nochian,'
4. M. Keshavarz,'
5. Sh. Tajik,'
6. H. dolatkah,'
7. R.Masoumi,' Design and Fabrication of LMDS Base Station Antenna', Aug. 2017
8. M. Kalaki,' Design And Implementation of Dielectric Resonator Filter for Satellite Application', May 2017
9. Z. Lasemi, 'Design & Fabrication of UWB antennas for Microwave Imaging Tomur Detection', Apr. 2017
10. Z. Sharifi,' Design a navel carpet cloak by using transformation optics', Jan. 2016
11. P.Fathi,' A novel layout for Metamaterial base ECRLH structures and their applications in microwave components'', December 2015

12. M.Niayesh, 'Design and fabrication of a novel CRLH leaky-wave antenna', February 2015
13. J.Aliasgari, 'Design and Fabrication of Radial Line Slot Array Antenna', March 2015
14. M. Zolfaghari, 'Study And Design Of A Modified Conical Goubau Waveguide', Fall 2014
15. Mohammad Davari, 'Scattering Reduction of Multilayered Cylindrical Structures with Dielectrics and Metamaterials in NIR Spectrum Frequency, Incident Plane Wave with Arbitrary Polarization', April, 2014 (Maleke Ashtar Univ.)
16. Samaneh Keshavarzi, 'Analysis and fabrication of a bandpass filter based on metamaterials', March 2014
17. Amir Hossein Saghanejad, 'Design and Implementation of a New Metamaterial-Loaded Multiband Compact Planar Antenna', Feb. 2014
18. Zahra Hamzavi, 'Design and Implementation of a Multi-band Microstrip Reflectarray Antenna', Jan. 2014
19. Hojjatollah Fallahi, 'Design and Fabrication of a UWB Antenna for Breast Tumor Detection', Feb. 2013
20. Ailar Sedghara, 'Design of a Dual Band, Dual Polarized Reconfigurable Single Port Antenna for WLAN Application', Feb. 2013
21. Keyhan Hosseini, 'Design and Fabrication of Conformal Leaky-Wave Antennas Utilizing Periodic Structures and Metamaterials', Feb. 2013
22. Seiran Khaledian, 'Design and Implementation of a Dual Band and Dual Pattern Antenna for On-body and Off-body Communication Modes in Body Centric Wireless Application', Dec. 2012
23. Abed Pour Sohrab, 'Design and Fabrication of a Wideband Microwave Absorber by Periodic Structures', Spring 2012
24. Reza Shamsaee Malfajani, 'Design and Implementation of a Dual-Band Microstrip Reflectarray Antenna (X & K Bands)', Feb. 2012
25. Majid Norooziarab, 'Design and Implementation of an SIW Reconfigurable Filter in Two Bands', Winter 2011
26. Vahideh Anami, 'Design and Implementation of a New Leaky Wave Antenna by Metamateria', Summer 2011
27. Mehdi Mahdavi, 'Design and Implementation of a New Compact Planar UWB Antenna for Communication Applications', Spring 2011
28. Mohammad Amin Nikravan, 'Design and Implementation of a Compact Dual-Band Microstrip Bandpass Filter', Winter 2010
29. Somayeh Rezvani, 'Design, Synthesis and Manufacture of a Dual Band Microstrip Antenna with Switchable Polarization', April 2010
30. Maryam Mohammadi, 'Wollasonite Glass-(second component) Composite Synthesis and Electrical Property Studies', June 2009
31. Mostafa Naghipourfar, 'Design and Analysis of a New Dual-Band Metamaterial in Microwave Frequencies', June 2009
32. Hossein Sabri, 'Miniaturized Triple-Band Microstrip Slot Antenna', Fall 2008

33. Zeynab Vahidpour, 'Optimization of Monopulse Antenna Pattern by Using Pattern Search Algorithm'-Summer 2007
34. Omid Zandi, 'Analysis and Design of Multilayer Dielectric Resonator Antennas', August 2007
35. Seyed Ali Hosseini, 'A Novel Compact Planar UWB Antenna in the FCC Frequency Band', April 2007
36. Mehdi Nosrati, 'Synthesis and Analysis of the New Compact Band-Pass Filter Using Coupled Transmission Lines' – Autumn 2006
37. Hamed Movahedi Pour, 'Performance Optimization of Direction of Arrival Estimator Using Neural Networks with Genetic Algorithm and Ant Colony Optimization Approach'- November 2006
38. Pooria Varahram, 'Adaptive Digital Predistortion for High Power Amplifiers', Summer 2005

M.Sc. Thesis Advised

1. H.Montazeri,' June 2016
2. Mohsen Khadir,' Feb. 2014
3. Sajjad Mohammadi,' April 2013
4. Farzaneh Ahmadi, 2013
5. Sepideh Fallahzadeh,2013
6. Reza Dehbashi,2007
7. Ali Razmtouz, 'Design and Analysis of Active Patch Antennas - Feb. 2007', Adviser
8. Rosa Seyf, 'Design and Analysis of a Compact and Dual Band Rectangular Microstrip Antenna to Operate in Frequencies 2GHz and 5GHz, Winter 2007', Adviser
9. Elyas Roudgar, 'Design and Analysis of a Broadband Microstrip Array Antenna for LMDS Applications - Dec. 2007', Adviser
10. Mohsen Golpour Dehsari, 'Design and Analysis of Compact Low Pass Filter B: using DGS', Adviser 2009
11. Hadi Bahrami Abarghoei, 'Design and Analysis of Compact Waveguide Filters B: using Metamaterials', Adviser, 2009
12. Alireza Mahmoudian, 'Design of Leaky Wave Antenna by Using Periodic Structures Adviser, 2008
13. مرجانه فرهودی, 'روشهای نامساوی ماتریسی خطی برای طراحی فیدبک خروجی چند منظوره بر اساس تئوری پایداری', Adviser 'تعمیم یافته
14. 'پریوش حاجیانی, 'جهت یابی سیگنال ارسالی در آرایه دایره ای با کاهش اثر کوپلینگ', Adviser

Courses Taught

- Advanced Mathematics II , MSc
- Microwave II, MSc
- High Frequency Circuit Design, MSc
- Numerical Methods in Electromagnetic, PhD
- Special Topics on RF/Microwave Circuit Design for Wireless Applications, PhD
- Metamaterials, PhD

- Special Topics on Conformal Antennas, PhD
- Engineering Circuit Analysis, MSc
- Microwave I, MSc
- Antenna Theory, MSc

Professional Experiences

1. Associate Professor, faculty of Electrical & Computer Engineering, 2010- present, Tarbiat Modares University, Tehran, Iran
2. Director of Satellite Com. Lab. of Elect. Eng. Dept., 2010-present, Tarbiat Modares University, Tehran, Iran
3. Director of Metamaterial Com. Lab. of Elect. Eng. Dept., 2007-present, Tarbiat Modares University, Tehran, Iran
4. Vice-Dean for Academic Affairs, 2014-2016, Faculty of Electrical and Computer Engineering, Tarbiat Modares University, Tehran, Iran
5. Director of Communications Engineering Group, April 2007-April 2012, Tarbiat Modares University, Tehran, Iran
6. Assistant Professor, faculty of Electrical & Computer Engineering, 2005-2010, Tarbiat Modares University, Tehran, Iran
7. Tehran, Iran Nokia's GC consultant in MCT (BTS & BSS) tenders, 2004 -2005,
8. Senior Researcher RF Group, Mobile Communications techniques, Tehran, Iran, 1999 - 2004
9. Senior Researcher RF Group, Iranian Research Organization for Science and Technology, Tehran, Iran, 1997 - 1999
10. Senior Researcher Antenna & RF Group, Antenkar, Tehran, Iran Senior Researcher Antenna & RF Group, 1997 - 1999
11. Research Engineer, Tarbiat Modares University, Tehran, Iran, 1996 - 1998
12. Research Engineer, ITRC Tehran, Iran, 1995 - 1996