

Education

Ph.D., University of Central Florida, FL, USA
Electrical Engineering (2012-Present)
Advisor: Dr. Linwood Jones,
• GPA: 3.88/4

M.S., Amirkabir University of Technology, Tehran, Iran
Electrical Engineering (2008-2011)

- Thesis: Analysis and Simulation of Multicarrier Methods for Performance Improvement of Physical Layer in Cognitive Radios
- GPA: 3.88/4 (Without M.Sc. thesis grade)
- Thesis Grade: 4/4

B.S., Amirkabir University of Technology, Tehran, Iran
Electrical Engineering, (2004-2008)

- Senior project: Evaluation and Analysis of Satellite Tracking Methods for LEO, MEO and GEO Orbits and Simulation of Monopulse Method
- GPA: 3.67/4

High School Diploma,

Farzanegan High School, under the supervision of NODET (National Organization for Developing Exceptional Talents), Tehran, Iran.

- GPA: 3.93/4

Honors & Awards

- LEARN (Learning Environment and Academic Research Network) Program Mentor Scholarship 2013.
- Ranked 1st among 25 Communication Systems Engineering students in Amirkabir University 2011.
- Graduate Research Fellowship, Iranian Telecommunications Research Center, 2010.
- Exceptional Student in M.Sc. students in Amirkabir University, 2008-2011.
- Honorary Admission (without entrance exam) for Graduate Study in Amirkabir University Electrical Engineering Department, 2008.
- Exceptional Student Scholarship for two consecutive years (2006-2008).
- Awarded to study another major simultaneously, in Amirkabir University of Technology, 2006.
- Selected as Exceptional Talent by NOET (National Organization for Educational Testing), summer 2004.
- Semifinalist in National Olympiad in Mathematics, Spring 2002& 2003.

Publications

- **Hamideh Ebrahimi**, Saswati Datta, Linwood Jones, “Radiometric Inter-calibration of Satellite Microwave Humidity Sounders Using the GPM Microwave Imager”, Submitted to IEEE Geoscience and Remote Sensing Society, Quebec, Canada, July 2014.
- **Hamideh Ebrahimi**, Saswati Datta, Andrea Santos-Garcia, Linwood Jones, “Radiometric Inter-calibration of SAPHIR using the Microwave Humidity Sounders”, Accepted at 13th Specialist Meeting on Microwave Radiometry and Remote Sensing of the Environment, Pasadena, California, March 2014.
- Andrea Santos-Garcia, **Hamideh Ebrahimi**, Maria M. Jacob, Yazan Hejazin, Linwood Jones, and William Asher, “Application of the AQ Rain Accumulation Product for Investigation of Rain Effects on AQ and SMOS Sea Surface Salinity Measurements”, Accepted at 13th Specialist Meeting on Microwave Radiometry and Remote Sensing of the Environment, Pasadena, California, March 2014.
- Jacob, M. M.; **Ebrahimi, H.**; Santos-Garcia, A.; Jones, W. L.; Asher, W.; Aquarius SSS Measurements in Rain: Science or Errors?, Accepted 17th Ocean Science Meeting, Honolulu, Hawaii, February 2014.
- **Hamideh Ebrahimi**, Shadi Aslebagh, Andrea Santos Garcia, María Marta Jacob, Linwood Jones, William Asher, “Impacts of Rainfall on Aquarius Sea Surface Salinity Measurements”, Presented at MTS/IEEE OCEANS '13 San Diego, California, September 2013.
- Shadi Aslebagh, **Hamideh Ebrahimi**, Linwood Jones, “Negative Impacts of Rainfall on Aquarius Sea Surface Salinity Measurements”, Presented at IEEE AP-S/URSI Conference, Orlando, Florida, July 2013.
- **Hamideh Ebrahimi**, Shadi Aslebagh, Linwood Jones, “Use of Monte Carlo Simulation in Remote Sensing Data Analysis” Presented at IEEE SoutheastCon 2013, Jacksonville, Florida, April 2013.
- Linwood Jones, Saswati Datta, Spencer Farrar, Andrea Santos-Garcia, **Hamideh Ebrahimi**, “Inter-Satellite Microwave Radiometric Calibration for the GPM Constellation”, Poster presentation for PMM Meeting, March 2013.
- **Hamideh Ebrahimi**, “Adaptive SC-FDMA with pulse shaping for wireless cognitive radio”, Communications and Information Technologies (ISCIT), 2012 International Symposium on. Golden Coast, Australia, Oct. 2012
- **Hamideh Ebrahimi** and Mostafa Safavi, “SC-FDMA with Pulse Shaping for Cognitive Radio”, accepted at 21th Virginia Tech Symposium at Wireless Communication, Virginia, US, June 2011.

Graduate Courses

- Planetary Atmosphere
- Introduction to Radar
- Satellite Remote Sensing
- Advanced Topics in Radar Systems
- Advanced Topics in Electromagnetics and Microwaves
- Antenna Analysis & Design
- Random Processes
- Speech Recognition
- Digital Signal processing
- Digital Signal processing Applications
- Advanced Communication Networks
- Teletransmission Systems
- Radio Networks Design
- Mobile Computing and Wireless Networks
- Teletraffic Engineering (Queuing theory)

Research Experience

- Research Assistance at Central Florida Remote Sensing Lab, Aug 2012-present.
- Research Engineer and Project advisor at Amirkabir University Research Center, Feb. 2011 -Aug 2012
- Research Assistance at Digital Communication Lab in Amirkabir University, Jan. 2009-Feb. 2011.

Teaching Experience

- Teaching Assistance for Introduction to Radar, Spring 2014.
- Teaching Assistance for Satellite Remote Sensing, Spring 2014.
- Teaching Assistance for Satellite communications, Fall 2013.
- Teaching Assistance for Introduction to Radar, Spring 2013.
- Teaching Assistance for Advanced Remote Sensing, Fall 2012.
- Teaching Assistance for Satellite communications, Fall 2012.
- Volunteer mentor for LEARN program, Fall 2012-Spring 2013.

Technical Skills

- Programming: C, C++, Visual C++, C#, Python
- Computer-Aided Design: STK, HFSS, PSPICE, ORCAD, Xilinx
- Simulators and Modeling Tools: **MATLAB**, Simulink
- Operating Systems: Microsoft Windows Family, Linux and Other UNIX Variants
- Computer Applications: T_EX (L^AT_EX, BibT_EX, PSTricks),