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**EDUCATION**

**M.Sc In ELectrical Engineering**Amirkabir University of Technology null-yesr-char-null-yesr-char  
**Ph.D In ELectrical Engineering**Amirkabir University of Technology 2000-null-yesr-char

**PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **108** | **6** | **16** | **13** | **0** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

**1.** Enhanced target detection using a new combined sonar waveform design. Amiri Hadi (2021)., TELECOMMUNICATION SYSTEMS, 2021(2021).  
  
**2.** Design a novel waveform to improve the detection of sonar targets. Amiri Hadi (2020)., Marine Technologyy, 1399(1399).  
  
**3.** Modeling and Simulation of Target Strength for AKULA Russian submarine. Amiri Hadi (2020)., Hydrophysis, 5(2).  
  
**4.** Coherent wide-band signals DOA estimation by the new CTOPS algorithm. Karimi Mahmood, Amiri Hadi (2020)., MULTIDIMENSIONAL SYSTEMS AND SIGNAL PROCESSING, 2020(2020), 1-15.  
  
**5.** Acoustic coherent source DOA estimation by nested array based on sparsity solution. Alavi Seyed Mohammad, Karimi Mahmood, Amiri Hadi (2019)., Journal of Electronical & Cyber Defence, 1398(1398).  
  
**6.** Multipath Measurements in Sea, Simulation and Acoustic Channel Estimation. Karimi Mahmood, Amiri Hadi (2019)., Hydrophysis, 5(1), 133-148.  
  
**7.** A new wideband beamforming by fuzzy system for coherent signals. Karimi Mahmood, Amiri Hadi (2019)., DIGITAL SIGNAL PROCESSING, 2019(2019), 102588.  
  
**8.** Direction-Finding of Coherent Acoustic Sources in Unkonwn Spatial Correlation Noise. Karimi Mahmood, Amiri Hadi (2019)., Journal of Acoustical Engineering Society of Iran, 7(1).  
  
**9.** Robust Beamforming in Array Signal Processing. Amiri Hadi (2019)., Marine Technologyy, 1398(1398).  
  
**10.** Methods Comparison for Attitude Determination of a Lightweight Buoy by Raw Data of IMU. Amiri Hadi, A. Ardalan Alireza (2018)., MEASUREMENT, 2018(2018).  
  
**11.** Analysis of Array Model Errors in GARCH-Based DOA Estimation. Amiri Hadi, Amindavar Hamidreza, Kamarei Mahmoud (2017)., Iranian Journal of Science and Technology-Transactions of Mechanical Engineering, 42(1), 1-9.  
  
**12.** New estimation methods of sensors gain and phase in perturbed array. Amiri Hadi (2016)., Quarterly Journal of Marine Science and Technology, 78(78), 1-9.  
  
**13.** Evaluation of Acoustic Remote Sensing Method for Seafloor Sediment Classification. Rezaali Vahid, Amiri Hadi (2015)., Geospatial Engineering Journa, ششم(3), 33-41.  
  
**14.** Distributed Estimation of Sensors Position in Underwater Wireless Sensor Network. Zandi Rahman, Kamarei Mahmoud, Amiri Hadi (2015)., INTERNATIONAL JOURNAL OF ELECTRONICS, 2015(2015), 150714015810008.  
  
**15.** Underwater Sensor Network Positioning Using an AUV Moving on a Random Waypoint Path. Zandi Rahman, Kamarei Mahmoud, Amiri Hadi, Yaghoubi Forough (2015)., IETE JOURNAL OF RESEARCH, --(--), 1-6.  
  
**16.** Range Estimation in Passive Sonars. Amiri Hadi (2014)., journal of Sound and Vibration, سوم(پنچم), 3-13.

***Books***

***Conferences***

**1.** Study and simulation of MIMO sonar. Amiri Hadi (2021)., 5th National Conference on Application of Novel Technologies in Engineering Sciences, 23-24 February.  
  
**2.** Study and simulation of sonar array calibration methods. Amiri Hadi (2021)., 5th National Conference on Application of Novel Technologies in Engineering Sciences, 23-24 February.  
  
**3.** Introcducing an Approach to Decoding Nervous Signals Based on the Kalman Filter and its Hardware Implementation.. hossini hossin, Amiri Hadi (2019)., 27th Iranian Conference on Electrical Engineering, 30 April-2 May, Yazd.  
  
**4.** Neural Spike Compression Based on Split Vector Quantization for Implanable BMIs. Amiri Hadi (2019)., 27th Iranian Conference on Electrical Engineering, 30 April-2 May, Yazd.  
  
**5.** Direction-finding of acoustic correlated sources in unknown spatial correlation noise. Karimi Mahmood, Amiri Hadi (2018)., 8th International Conference on Acoustics and Vibration, 4-5 December.  
  
**6.** Feature extraction and vessele identification using time-frequency methods. Amiri Hadi (2018)., 8th international conference on acoustics and vibration, 4-5 December.  
  
**7.** Image processing in side scan sonar. Mahbubi Hani, Amiri Hadi (2016)., MMT2016, 1-2 September.  
  
**8.** Bistatic-multi static sonar: Introduction and application. Amiri Hadi (2016)., MMT2016, 1-2 September.  
  
**9.** Design, Fabrication and Test of an prototype of Sonar Array Model. Jafari Mohammad Hasn, Amiri Hadi, Aghabarari Mommad, Siminfar Abazar (2014)., PSSSC 2014, 12-13 March, Shiraz, Iran.  
  
**10.** A New Method for Feature Extraction and Classification of Some Underwater Acoustic Signals. Varedan Alireza, Amiri Hadi, Vahidpour Vahid (2013)., 3rd International Conference on Acoustics and Vibration, 25-26 December, Tehran, Iran.  
  
**11.** Underwater Acoustic Sensor Network Localization Using Received Signals Power. Zandi Rahman, Kamarei Mahmoud, Amiri Hadi (2013)., Iranian Conference on Electrical Enggineering (ICEE 2013), 14-16 May.  
  
**12.** Underwater Acoustic Sensor Network Localization Using Four Directional Beams. Zandi Rahman, Kamarei Mahmoud, Amiri Hadi (2013)., Iranian Conference on Electrical Enggineering (ICEE 2013), 14-16 May.  
  
**13.** Classification of vessels using propagated underwater acoustic. Varedan Alireza, Marvi Hossein, Amiri Hadi, Atapour Fateme, Vahidpour Vahid (2012)., National Conference on Science, Technology and Maritime Battle Systems, 8 November.

**HONORS and AWARDS**

**ACADEMIC POSITIONS**

**COURSES OFFERED**

**Convex Optimization  
  
Engineering Mathematics  
  
Engineering Mathematics  
  
Linear Algebra  
  
Engineering Mathematics  
  
Engineering Mathematics  
  
Engineering Mathematics  
  
Physics 2  
  
Physics 2  
  
Engineering Mathematics  
  
Engineering Mathematics  
  
Linear Algebra  
  
System Analysis**

**LABORATORIES**