

Résumé

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- Research Interests**
- Brain To Computer Interface
 - Neuroscience
 - Image Processing
 - Digital Signal Processing
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- Education**
- **B.Sc. in Electrical engineering-Communication:** Isfahan University of Technology(IUT),Isfahan, Iran
 - **Diploma in Mathematics and Physics Discipline:**ShahidMojtabaJafari, Kermanshah,Iran
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- Research Experiences**
- **Researcher : "Center of Brain Engineering"**
(September 2015-Present) IPM - Institute for Research in Fundamental Sciences, Tehran,Iran
 - **Researcher : "School of Cognitive Sciences "**
(April2015-September2015) IPM - Institute for Research in Fundamental Sciences, Tehran,Iran
 - **Researcher : "Monkey lab"**
(November2014-April2015) , Iran university of science and technology,Tehran,Iran
 - **Researcher : " Isfahan Science and Technology Town "**
(2013-2014),Isfahan,Iran
 - **Researcher : "Medical Image and signal Processing Research Center(MISP)"**
(2012-2013) Isfahan , Iran

- Practical Experiences And Projects**
- **Analysis of neural spontaneous activity of primary visual cortex of the brain.**
(in progress)
 - **Analysis of neural adaptation in primary visual cortex of the brain.**
(in progress)
 - **Implementation of image processing algorithms for a counter closed-circuit television.**
June 2014-November2014
 - **Designing shoes on the basis of ankle movement patterns, using Neural Network and ImageProcessing methods,2012-2013**
 - **Improving the performance of a Motor Imagery based BCI system, using optimization algorithms 2013-2014**
 - **Implementation of an object-recognizer robot, using Xilinx ISE**
May 2014

- **Simulation of signal processing algorithms using system generator,Xilinx ISE-MATLAB** June 2014
 - **Simulation of signal processing algorithms using system generator,Xilinx ISE-MATLAB** June 2014
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Publications

- **Alikhani M**, Rahimabadi A, Rahim Nasrabadi H, Zangane M, Davodnia V, Lashgari, R. "Neural adaptation in primary visual cortex of awake primates". Chicago, IL: **Society for Neuroscience** 2015
- Rahimabadi A, **Alikhani M**, Davodnia V, Zangane M,Rahim Nasrabadi H, Lashgari, R. "Method for analyzing neuronal response variability based on frequency response amplitude". Chicago, IL: **Society for Neuroscience**2015

Teaching Experiences

- **workshop presenter "Motor Imagery Based BCI"**
3rd basic and clinical neuroscience congress, October 30, 2014,Razi convention center,Tehran,Iran
- **Matlab workshop**
Isfahan University of Technology(IUT),Isfahan, Iran
- **Neural network workshop**
Isfahan University of Technology(IUT),Isfahan, Iran

Computer Skills

- Programming skills : MATLAB , C , C++, Verilog.
 - Engineering Software: MATLAB, EEGLAB , BIOSIG, Xilinx ISE, Active-HDL,Modelsim
 - Misk: Microsoft Office
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Language

- **Farsi:** Native
 - **English:** Fluent
 - **Arabic:**Novice
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Hobbies

- Reading psychological books,Writing ,Story designing, Dancing ,Playing Vollyball ,Mountain climbing
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