

Curriculum Vitae

Narjes Soltani Dehaghani

General Information

Postdoctoral Researcher

Institute for Medical Science and Technology

Shahid Beheshti University, Tehran, Iran

Date of birth 10/30/1986

Nationality Iranian

Email: na.so.ir@gmail.com

Research interests

Neuroimaging, Brain Networks, Brain Disorders, Machine Learning and Pattern Recognition, Cognitive Science, Data Mining

Education

PhD in Cognitive and Brain Sciences Shahid Beheshti University, Tehran, Iran Accepted as a Talented Student Ranked 1 st among all students	2015-2020 GPA 19/20
M.Sc. in Computer Engineering Iran University of Science and Technology, Tehran, Iran Ranked 2 nd among all students	2010 – 2012 GPA 17.94/20.00
B.Sc. in Computer Engineering Shahid Bahonar University, Kerman, Iran Ranked 4th among all students	2005 – 2009 GPA 16.43/20.00

Honors and Grants

Postdoctoral fellowship, Iran's National Elites Foundation, Tehran, Iran	July. 2021 Aug. 2022
Visiting Researcher Grant, co-funded by Oxford University and Iranian Cognitive Sciences and Technologies Council (CSTC)	April. 2018 July. 2018

Oxford Centre for Human Brain Activity (OHBA), Oxford University, Oxford, United Kingdom

German Academic Exchange Service (DAAD) Research Grants Sep. 2017
Visiting researcher, MEG laboratory, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany March. 2018

Accepted as a talented student for PhD Studies at Shahid Beheshti University 2015

Ranked 1st according to GPA among all PhD students of Cognitive and Brain Sciences in Shahid Beheshti University 2021

Ranked 2nd according to GPA among all M.Sc. students of Computer Engineering in Iran University of Science and Technology 2012

Ranked 4th according to GPA among all B.Sc. students of Computer Engineering in Shahid Bahonar University of Kerman 2009

Ranked within top %0.4 in the national matriculation exam for M.Sc. degree between 33,000 competitors 2009

Travel Grants

Travel grant to and back from the United Kingdom, funded by CSTC, 2018

Travel grant to and back from Germany, funded by DAAD, 2017

Selected Projects

Modeling of Facial Processing in Human: A Neuromagnetic Approach
PhD Project Jan. 2016
Supervisors: Prof Mojtaba Zarei, Dr. Reza Khosrowabadi, Dr. Burkhard Sep.2020
Maess, Dr. Sven Braeutigam

Grey Matter Modulation throughout Development in Individuals with Autism Spectrum Disorder (FSL, SPM, SPSS) July. 2015
Evaluation Methods in Neuroscience Coursework

Machine Learning Approach for ADHD Diagnosis based on transitions in Continuous Performance Task (MATLAB) Aug. 2015
Pattern Recognition Coursework

Design and Implementation of SIR and SIS Epidemic Spread Model in Interconnected Smallworld Networks (BCT toolbox, MATLAB) Aug. 2015
Dynamic Systems in Neuroscience Coursework

A Load Balancing Algorithm Based on Replication and Movement of Data Items for Dynamic Structured P2P systems
M.Sc. Thesis
Supervisor: Prof. Mohsen Sharifi

Sep. 2011
Oct. 2012

Developing a File Sharing System via WCF & WPF Technologies
B.Sc. Thesis
Supervisor: Dr. Masood Saeed

2009

Publications

Narjes Soltani Dehaghani, Burkhard Maess, Reza Khosrowabadi, Mojtaba Zarei, Sven Braeutigam, "Pre-stimulus brain state modulates face processing in the intra-parietal sulcus", submitted to Frontiers Journal

Narjes Soltani Dehaghani, Burkhard Maess, Reza Khosrowabadi, Mojtaba Zarei, Sven Braeutigam, "Comparing Face and Object Processing in Perception and Recognition", Journal of Basic and Clinical Neuroscience (BCN), Just Accepted publication Jul. 13, 2020.

Narjes Soltani Dehaghani, Burkhard Maess, Reza Khosrowabadi, Mojtaba Zarei, Sven Braeutigam, "Pre-stimulus Effect on Face and Non-face Processing: A Case Study in Individuals with Autism", Sixth Iranian Human Brain Mapping Congress, 2019

Narjes Soltani, Mohsen Sharifi, "A Load Balancing Algorithm Based on Replication and Movement of Data Items for Dynamic Structured P2P Systems", International Journal of Peer-to-Peer Networks, Vol.5, No.3, August 2014

Narjes Soltani, Ehsan Mousavi Khaneghah, Mohsen Sharifi, Seyedeh Leili Mirtaheri, "A Dynamic Popularity-Aware Load Balancing Algorithm for Structured P2P Systems", IFIP International Conference on Network and Parallel Computing, 2012.

Zahra Dehghan Doolab, Seyyed Ali Seyyedsalehi, Narjes Soltani, "Nonlinear Normalization of Input Patterns to Handwritten Character Variability in Handwriting Recognition Neural Network", Biomedical Engineering and Biotechnology (iCBEB) IEEE International Conference, 2012.

Teaching Experience

Co-instructor for Functionan Brain Imaging Systems Institute for Medical Science and Technology Shahid Beheshti University	Spring. 2021
Co-instructor for MRI data analysis workshop MRI Workshop 3 rd Iranian Human Brain Mapping Congress	Sep. 2016
Instructor for MATLAB programming Department of Neuroscience Shahid Beheshti University	Spring 2016
Instructor for Database Department of Computer Engineering University of Applied Science and Technology	Spring 2012
Instructor for Database Laboratory Department of Computer Engineering University of Applied Science and Technology	Spring 2012

Selected Talks

Approaches to MEG Data Analysis, Iranian Human Brain Mapping Congress, Shahid Beheshti University, Tehran, Iran, Novemeber, 2021

Experimental Psychology UNIQUE Summer School, Oxford Centre for Human Brain Activity (OHBA), Oxford University, July 2018

Working Experience

Postdoctoal Researcher, Institute for Medical Science and Technology Shahid Beheshti University, Tehran, Iran	July. 2021 Current
Navaco- JEE Developer Developing various Java Enterprise Edition (JEE) programs	Aug. 2014 Jan. 2015
Navaco- Oracle ADF Developer Developing different enterprise applications using Oracle ADF	Jan. 2013 Aug. 2014

Language Skills

IELTS

Reading: 8/9, Speaking: 7/9, Listening: 7/9, Writing: 6.5/9
Total: 7/9

Computer and Programming Skills

Brain Applications	Fieldtrip, MaxFilter, Brainstorm, FreeSurfer, FSL, Brain Connectivity Toolbox, BrainNet Viewer
Programming	MATLAB , R, C#, C, C++, Java, JEE, Assembly
Web	HTML, CSS, XML, XAML, jQuery, JavaScript
Operating Systems	Linux (CentOS, Ubuntu), Windows
Databases	Oracle, Microsoft SQL Server, Sedna XML Database
Programming Tools	Visual Studio, NetBeans IDE, Eclipse IDE, JDeveloper IDE, IntelliJ IDEA, Borland C++
Virtual Machines	VMware
Microsoft Office	Word, Excel, PowerPoint, Access