



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 4858

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Informatica Giovanni degli Antoni**_____

Scientist- in - charge: _____**Professor Ernesto Damiani**_____

SAMIRA MAGHOOL

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Maghool
Name	Samira
Date of birth	15/12/1986

PRESENT OCCUPATION

Appointment	Structure
Research Assistante	Universita degli studi di Milano, Dipartimento di Informatica "Giovanni degli Antoni", SESAR Lab

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD	Condensed Matter Physics	Alzahra University	2020
Master	Solid state physics	Shiraz University	2014
Degree of medical specialization			
Degree of European specialization			
Other	Visiting researcher	Universita degli studi di Milano	2018-2019



FOREIGN LANGUAGES

Languages	level of knowledge
English	Very good
Italian	Elementary

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2020	Scholarship in SMART BEAR EUROPEAN project
2018	Scholarship awarded by Iranian Ministry of Science

TRAINING OR RESEARCH ACTIVITY

description of activity
3 months in Rita Ilia Kish Company as consultant for installation and setup of laboratorial equipments 2009.
Teacher assistant for basic physics. Shiraz University 2013-2014.
Teacher assistant for statistical mechanics, Alzahra University 2015, 2017
Teacher assistant for computational physics, Alzahra University 2016-2017
Guest lecturer for basic physics, Lar University 2017-2018
Visiting researcher, University of Milan 2018- Now

PROJECT ACTIVITY

Year	Project
2009	B.Sc. project on nuclei structure and binding energy of nucleus
2013-2014	Master project on econo-physics and game theoretical approach
2014	Three-particle inequalities in quantum mechanic
2015	Epidemic spreading on complex networks
2016	Using comsol in simulating nano particles in drug delivery
2017	Simulating different methods of deposition using Matlab
2018	The coevolution of contagion and behavior with increasing and decreasing awareness
2020	The Unknown of the Pandemic: An Agent-based Model of Final Phase Risks
2020	Graph Embeddings in Criminal Investigation: Extending the Scope of Enquiry Protocols
2020	A Comparative Study of Clustering Techniques Applied on Covid-19 Scientific Literature
2020	Using analytical approach in synthetic healthcare data



CONGRESSES AND SEMINARS

Date	Title	Place
2009	Lecture on B.Sc. project on nuclei structure and binding energy of nucleus	Alzahra University, Tehran
2012	5 th Statistical Mechanics and Complex Systems Conference	Tehran University, Tehran
2013	1 st Spring School of Nanotechnology workshop	Shiraz University, Shiraz
2013	Neuro Science Conference	Shiraz University, Medical Science college, Shiraz
2014	4 th Computational Neuroscience workshop	Institute for advanced studies in basic science, Zanjan
2014	3 th Summer school (Interdisciplinary Sciences)	Shiraz University
2014	Iran Physics Conference	Sistano Baluchestan University
2015	Computational Neuroscience workshop	Shiraz University, Shiraz
2016	7 th Statistical Mechanics and Complex Systems Conference	Shiraz University, Shiraz
2020	12th International Conference on Management of Digital EcoSystems (MEDES'20).	Abu Dhabi, UAE (online)
2020	The International Symposium on Health and Medical informatics, Management and Security (HMIMS 2020).	Paris, France (online)

PUBLICATIONS

Articles in reviews
H. Moradpoor, S. Maghool, S. A. Moosavi "Three-particle Bell-like inequalities under Lorentz Transformations" Quantum Inf Process, DOI 10.1007/s11128-015-1064-3.
S. Maghool, N. Maleki-Jirsaraei, M. Cremonini "The coevolution of contagion and behavior with increasing and decreasing awareness" PLOS ONE, https://doi.org/10.1371/journal.pone.0225447 .
Samira Maghool, Nahid Maleki-Jirsaraei "Epidemic spreading phenomena on a scale-free network with time-varying transmission rate due to social responses "International Journal of Modern Physics C 2020 , https://doi.org/10.1142/S012918312050148X
Cremonini, Marco and Maghool, Samira (2020) "The Unknown of the Pandemic: An Agent-Based Model of Final Phase Risks" Journal of Artificial Societies and Social Simulation 23 (4) 8 < http://jasss.soc.surrey.ac.uk/23/4/8.html >. doi: 10.18564/jasss.4426



Congress proceedings
S. Maghool, A. Montakhab "Simulation and Analysis of Iterated Public Goods Game on Complex networks" Iran Physics Society Conference 2014, In Persian.
V. Bellandi, P. Ceravolo, S. Maghool, S. Siccardi "Graph Embeddings in Criminal Investigation: Extending the Scope of Enquiry Protocols" In Proceedings of the 12th International Conference on Management of Digital EcoSystems (MEDES'20). ACM, Abu Dhabi, UAE. DOI:10.1145/3415958.3433102
V. Bellandi, P. Ceravolo, S. Maghool, S. Siccardi "A Comparative Study of Clustering Techniques Applied on Covid-19 Scientific Literature" The International Symposium on Health and Medical informatics, Management and Security (HMiMS 2020).

OTHER INFORMATION

SCIENTIFIC MEMBERSHIP
Iranian Physics Society
Scientific Reviewer at PLOS ONE journal
Scientific Reviewer at Journal of Artificial Societies and Social Simulation
Scientific Reviewer at Journal of <u>International Journal of Modern Physics C</u>
Scientific Reviewer at The American Journal of Drug and Alcohol Abuse

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: _____Milano_____, _____01/02/2021_____

SIGNATURE