TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO **ID CODE: 5853**

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 Fisica Aldo Pontremoli**

Scientist- in – charge: **Dr. Simona Achilli**

[Masoumeh Alihosseini]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Alihosseini
Name	Masoumeh

PRESENT OCCUPATION

Appointment	Structure
Postdoctoral Researcher	Department of physics at Shahid Rajaee Teacher Training University

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Physics	University of Kurdistan, Sanandaj, Iran	2013
Specialization	-	-	-
PhD	Condensed Matter Physics	University of Zanjan, Zanjan, Iran	2022
Master	Condensed Matter Physics	University of Zanjan, Zanjan, Iran	2016
Degree of medical specialization	-	-	-
Degree of European specialization	-	-	-
Other	-	-	-

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
-	-	-

FOREIGN LANGUAGES

Languages	level of knowledge
English	Good
Persian	Native

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2012	Third place in student Olympiad during bachelor's degree

TRAINING OR RESEARCH ACTIVITY

description of activity: Ab initio study of self-assembled molecules on graphene and metallic surfaces

PROJECT ACTIVITY

Year	Project
-	-

PATENTS

Patent
-

CONGRESSES AND SEMINARS

Date	Title	Place
2020	8th International Conference on Nanostructures (ICNS8)	Sharif University of Technology, Tehran, Iran
2022	ICTP : Strongly Correlated Matter: from Quantum Criticality to Flat Bands	Online
2022	21st USPEX workshop: Modern trends in Computational Materials Discovery	Isfahan University of Technology (IUT), Isfahan, Iran

PUBLICATIONS

Books
-

Articles in reviews
Electronic, dielectric, and optical properties of two-dimensional and bulk ice: A multiscale simulation study, Physical Review B, 101(18), 184202 (2020).
Oscillation in the electrical conductivity of a thick graphene oxide membrane, Journal of Applied Physics, 129(23), 235105 (2021).
Electronic Properties of Oxidized Graphene: Effects of Strain and an Electric Field on Flat Bands and the Energy Gap, The Journal of Physical Chemistry Letters, 13(1), 66-74 (2021).
The solvent-driven impurity migration over graphene in the presence of electric field, Applied Surface Science, 611, 155512 (2023).
Multiband flattening and linear Dirac band structure in graphene with impurities, Physical Review B. 107(7):075401 (2023)

Congress proceedings
-

OTHER INFORMATION

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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.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: Tehran,Iran, 2023/5/9